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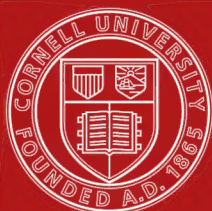
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 **Catalogue of the Mesozoic plants in the**



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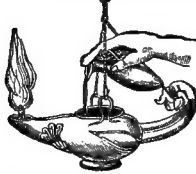
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CATALOGUE
OF THE
MESOZOIC PLANTS
IN THE
DEPARTMENT OF GEOLOGY.
PART V.

ALERE FLAMMAM.



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PREFACE.

THE present work is a continuation of the series of Catalogues of the Mesozoic Plants in the British Museum. The fossils discussed are even more fragmentary than most of those by which the Jurassic and Wealden Floras are represented; but the Cretaceous Flora is of so much interest as affording possible links with the succeeding Tertiary Flora, that even imperfect evidence is worthy of the closest attention. The literature of the subject is already voluminous, but so many names have been given to these fossils without adequate definition, that it seems unnecessary at present to do more than enumerate them. The greater portion of Part I. of the Catalogue is therefore devoted to an exhaustive bibliography, containing many references to published work which will not occur again in the Descriptive Catalogue.

A. SMITH WOODWARD.

DEPARTMENT OF GEOLOGY,
November, 1913.

AUTHOR'S PREFACE.

WHEN, nearly five years ago, I began a general consideration of the Cretaceous flora, at the request of the British Museum, I discovered that the task could make no progress until a list of the material had been compiled. The literature dealing with Cretaceous plants was widely scattered and had never been brought together and sifted, and there was no standard work to which reference could be made to place the innumerable names which have been published. Consequently, I first endeavoured to compile a list, as nearly complete as possible, of all the Cretaceous species originally described. This list proved immensely greater than was anticipated, and bulks largely in the present volume. As my own work would have been impossible without it, I trust it may prove useful to others; and therefore propose to mention a few points in explanation of its apparent lack of uniformity and its arbitrariness.

In the first place, while including the American Lower Cretaceous species, the list does not take account of most of the European Wealden species. This is not my own choice, but depends on the fact that in this series of Museum Catalogues, the Wealden has been dealt with by Prof. Seward, and the work allotted to me is to complete the Cretaceous, but to leave out of consideration the parts covered by Prof. Seward's work.

Secondly, anyone using the list will notice that the same strata are mentioned under different names, and that the most recent stratigraphical nomenclature is seldom used. This is

because the list does not profess to be critical, but takes the name and the horizon given by the original describer of each species. Therefore, the names of a number of the horizons will be recognisably out of date; but I thought it useful to have the original descriptions catalogued for reference. Further, a number of plants from the Laramie have been included in the list, because in many cases they were described as Cretaceous, though they may be well known to-day to belong to the Tertiary. I included most of those species which had been much quoted as Cretaceous, because it appeared to me that for a reader not intimately acquainted with the Cretaceous, it would be useful to have a list in which references to the original descriptions could readily be found.

Lastly, a point which may make the list appear very incomplete, must be mentioned. Many of the species originally described under one genus have been removed from genus to genus at the hands of various writers. If all the species had been entered under all the generic names ever given to them, the list would have been even bulkier than it is at present. Consequently, while I endeavoured to enter in my list any re-naming that was enlightening, or accompanied by any original work on the specimen, I deliberately left out many of the cases (which are so numerous relating to badly preserved leaf-impressions) in which a species had been transferred to various genera on the grounds of nomenclatorial rules or the personal preferences of an author who neither re-figured nor re-described the specimen, nor in any way added to our knowledge of it. Nevertheless, a good many cross-references to the different genera under which a species appears, will be found. As an example of the type of name which I have tended (perhaps arbitrarily) to omit, *Dryopteris virginica* may be mentioned. Under *Aspidium* Fontaine described a considerable number of species, *A. virginicum* among them. In Knowlton's list of Cretaceous plants, 1898, he transfers most of these to the genus *Dryopteris*, his entry regarding them being in this form: "*Dryopteris virginica* (Font.) n. comb.," followed by reference to Fontaine's

original description. Now, in my list, this species appears under *Aspidium*, with a remark that it was re-named by Knowlton *Dryopteris*; but it is not entered again by me under *Dryopteris*. On the other hand, various species similarly treated by Knowlton and others do find their place in my list under two or even more genera: in most cases this depends on the fact that where I have found a name used in the general literature, or where for some reason it appeared useful to have the different references to the plant, I have added it to my list.

Even after the list was restricted in this fashion, it proved so bulky that only the THALLOPHYTES could be dealt with critically in the present volume. Other portions of the Cretaceous Flora will be considered as is convenient in future volumes.

It is certain that there are many errors in this work, though I have laboured to avoid them. Those who have done any task of the kind will realise how difficult it is to deal with such enormous numbers of references, particularly when parts of the text have to be printed off before the later sections are revised.

In the course of the preparatory work I have travelled much, and though much of the help here mentioned will not bear fruit till the future volumes are completed, I should like to say here how greatly I am indebted to friends and officials for help in the work and for facilities for examining specimens in numerous museums on the Continent and in America. Above all I must thank Mr. W. E. Balston and the Government Grant Committee of the Royal Society of London, for grants partially to defray the cost of these journeys.

Among so many who have rendered assistance in various forms, it seems invidious to single out persons for special thanks, but mention must be made of the kindness of the authorities and staff of the National Museum in Washington, where I had the advantage not only of examining many type-specimens, but also of comparing their bibliographic slips with mine, whereby I gained many additions to my lists. Prof. Nathorst has been most helpful both when on his visits to London and in Stockholm, where he placed the remarkable

State Collections at my disposal. In America, Drs. Knowlton, Hollick, and Berry, and Mr. White were most kind and helpful; as were Dr. Britton of New York, whose great Institute gave me hospitality and the use of the plant collections for some time, and Prof. Jeffrey of Cambridge, who showed me several of his valuable specimens. In Canada, the Director of the Geological Survey was most kind in Ottawa, and also loaned some specimens for further examination in London. In Europe the following must be specially mentioned:—Prof. Rothpletz, Dr. Gothan, Dr. Halle, Dr. Ravn, Prof. Seward, Prof. Oliver, and Dr. Arber, for all have from time to time exerted themselves on my behalf, loaned specimens, or given me help. In the British Museum I also have to thank Dr. Smith Woodward, Dr. Rendle, and Dr. Bather, besides Mr. Gepp and Mr. Newton: while Mr. Sherborn's unique knowledge of old and troublesome books and incomplete bibliographical references has several times proved invaluable.

MARIE C. STOPES.

August, 1913.

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INTRODUCTION.

THE Cretaceous Flora differs fundamentally from all the older floras in the presence (and in many places the preponderance) of Dicotyledonous and Monocotyledonous plants with the older and "simpler" families. The Angiosperms must undoubtedly trace their ancestors further back than the lowest Cretaceous, but for practical purposes of geology they may almost be described as appearing in the Cretaceous period. Numerous species of Angiosperms have been described and figured from all parts of the world, and these with the other families, which are represented to a greater or less extent, make the Cretaceous flora exceedingly rich as well as interesting. The deposits in some parts of Europe, in Japan, and the Arctic regions, but more particularly in the North American continent, cover large geographical areas and have yielded a great number both of specimens and of species.

To encompass in any one work a description which is more than a mere compilation, of the whole of this vast flora, is impossible in the present state of the science. For in the work on the Cretaceous epoch more perhaps than in that on any other geological period, the data on which determinations have been made are often very unsatisfactory, and the species described have in many cases been named with no regard to the necessity of previous careful comparisons; while generalisations regarding distribution and climate have often been risked on little foundation. There exists no general account of the flora, the bibliography is widely scattered and has never been brought together, and the numerous specific names scattered through the literature have never been listed. The present volume by bringing these things together may prove a useful foundation for future work. I do not think the time has arrived for generalisations or broad conclusions of the kind sometimes attempted by palæobotanists.

One of the difficulties of work on the Cretaceous flora is the correlation of the many scattered deposits in which the plants have been found. So many local names have been given to beds in different places, that it is difficult to realise sometimes to which period the described plants belong. Added to this is the fact that, particularly in America, the relative positions of the beds are still largely undecided, and individual writers use terms in very different senses. I have not attempted exact correlations, but in the accompanying table* (opposite) have placed in series roughly in their relative positions, the principal beds from which important Cretaceous plants are described. It does not represent the relative thicknesses of the deposits, or, indeed, the final and exact relation of the series, but has merely a temporary value for the convenience of workers not specially acquainted with the beds.

It may also prove of use to give a short summary of the more important work that has been done on the deposits in various parts of the world, thus indicating the distribution of Cretaceous plants in the various countries. Full references to the papers mentioned will be found in the bibliography which follows.

AUSTRIA.

Unger (in 1867) described both Senonian and Cenomanian plants from three principal localities, viz. Ischl, Sanct Wolfgang, and Neue Welt. In 1871 A Schenk published a monograph on the Urgonian deposits of Wernsdorf and Teschen, with notes on some specimens from neighbouring localities. Schenk also (1876) described eight species of Senonian plants from the northern Tyrol, at Brandenburg.

Of BOHEMIA, much is known owing to the work of many notable palæobotanists. Corda (1846) in Reuss, described a number of Cenomanian plants from Trziblitze, Perutz and other localities. The Perucer Beds have been the subject of numerous

* NOTE.—This table is for the use of those to whom the local names of horizons are unfamiliar. It does not possess any finality, as the correlations vary with individual judgment. It is based partly on published correlation-tables, partly on the advice of several European and American geologists, and may be regarded as representing approximately the relations of the principal horizons in the more important localities where Cretaceous plants are found.

PHICA

rica. ntic st.	Marylan	Mount Livingston.	Pacific Coast.	Black Hills.	Canada.
an.	Ranocas.	ance. ennep. ear Paw. dith River.	Wanting.		Vancouver Island.
th.	Monmouth.	aggett. gle. obrara. lorado.	Chico.		
	Magothy.				Peace River.
	Raritan.*				Mill Creek.
mity?	Patapsco.			Fuson.	
	hiatus.		Unconformity.		
	Arundel.				
					Queen Charlotte Island.
		otanie.	Horsetown	Lakota.	Kootanie.
	Patuxent.		Shasta.		
			Knoxville		

er series, but Berry

later papers. Krejci (1853) wrote in Bohemian, as did Renger in 1866. Renger (1866 A) had a paper on the Cretaceous tree-ferns of Bohemia. Important work was done by Feistmantel (1870, 1872 & 1874) and by Stur (1873), but the deposits are principally known through the publications of Velenovsky. On the Dicotyledons we have Velenovsky's papers published in 1882 A and B, and 1883. A special monograph on the Gymnosperms appeared in 1885. Further papers on the rest of the flora followed in 1886 and 1887; in 1887 A a paper appeared on the Cenomanian plants, and papers in 1888 A, 1888 B (on ferns) and 1889 complete a series of works covering the floras of numerous localities and dealing with most of the families of plants. The most noted localities are perhaps Lipenec, Raudnitz, Chlomek, Vyserovic, and Kaunic. Bayer carried on the work and published in 1893, 1896 and 1899; while Fritsch in 1877, 1883, 1889, 1893 and 1897, issued a series of papers dealing with the geology of the deposits, in the later parts of which Bayer deals with the plants. In 1901 Fritsch and Bayer published an important monograph on the Cretaceous plants of the Perucer Beds of the country, which summarises and brings together the previous work on the deposits of this age in Bohemia. In 1901 Marik also published a paper, with plates, in Bohemian.

Unger, in 1865, described a few plants from HUNGARY, and Staub (1888) recorded some Cenomanian plants from Nadrog. Tuzson (1908) has added an illustrated paper on the fossil flora of this region.

For MORAVIA, Heer (1869 A) wrote a large memoir on the Cenomanian deposits at Moletein, near the Bohemian frontier. Krasser, in 1889 and 1896, and Krasser with Kubart (1906) added to the Cretaceous flora of Moletein. The specimens are leaf-impressions, many of them dicotyledonous.

A number of Cretaceous plants from the Island of LESINA were described and illustrated by Kerner in 1896.

BELGIUM.

Coemans in 1867 and Briart and Cornet (1867) described the Belgian Cretaceous plants probably of the age of the Gault, Coemans dealing with a comparatively small number of plant-impressions.

ENGLAND.

Except for the important specimens of *Bennettites* from the Lower Greensand, few Cretaceous plants have been described from England. Some fragments are mentioned by Mantell (1822 & 1844), and supposed fruits from the Chalk were described in 1846, but their nature remains doubtful. Lindley and Hutton (1833-1837) figured several species, principally Gymnospermic cones, of Gault and Greensand age, and some of these have their internal anatomy petrified, though it has not yet been described. Maidstone is an important locality, the Greensand there having yielded a number of plants (see Bensted, 1862, and Mackie, 1862 B). Carruthers (1865) made known *Caulopteris* from the Upper Greensand, and also coniferous fruits from various Cretaceous deposits, in 1866 A, 1866 B, 1868 & 1869. The genus *Cycadeoides* from the Lower Greensand was described by him in 1867, and he published a paper on Cycadean stems in 1870. Further coniferous fruits were described in 1871 and 1875. In Dixon's 'Geology of Sussex' Carruthers gave a list of the Cretaceous plants (1878), and with Gardner and others (1886) drew up the British Association Committee's report on British Secondary plants.

Williamson (1887) described a further specimen of Gymnospermic cone originally figured by Lindley and Hutton; and in 1898 Barber gave a detailed account of a *Cupressinoxylon* with the internal anatomy preserved from the Lower Greensand. The flora is actually much richer than these published papers would lead one to expect, as will be shown in vol. 2 of this Catalogue.

FRANCE.

The Cretaceous Flora in France is also rather scattered and fragmentary. Brongniart in 1849 described a few plants, and Cornuel (1866) wrote on coniferous fruits of Neocomian age, and published further studies on the subject in 1882. Crié, in 1877, 1884, 1890 & 1892, published papers dealing with the Cretaceous Flora, the most important being that of 1892.

Saporta in 1880 published on the Lower Cretaceous of Havre, and Bertrand in 1883 described a new genus of Taxinean fossil

from the Upper Cretaceous. In 1890 Marion had a short paper on the Turonian; Saporta described species of *Nelumbium* from the Uppermost Cretaceous (Danian); and Vasseur recorded a Turonian Flora near Martigues. Fliche (1892, 1893) described two Albian plants, and in 1894 had a paper on the fructifications of Cenomanian palms. In 1896 he published a large illustrated paper on the Albian and Cenomanian deposits, and in 1900 one on the Lower Cretaceous.

Lignier (1907) described several specimens of wood from Normandy, with the internal structure petrified.

GERMANY.

PRUSSIA.—The deposits of Aix-la-Chapelle (or Aachen) are classical ground for the palæobotanist, and were first worked by Goeppert (1842 B). The locality, however, is generally associated with the name of Debey, and then Debey & Ettingshausen. Debey (1848 A, 1848 B, 1849, 1850) published several short papers on the Aix Cretaceous plants, and then with Ettingshausen (1859 A & B) prepared two large, well-illustrated monographs on the "Thallophyten" and the "Acrobryen" of the Cretaceous of Aix and Maestricht. Debey made large collections and was apparently preparing voluminous further publications, but in 1877 only a very short note appeared about a paper he gave on the Coniferæ of the Cretaceous of Aix. His collections with the specimens bearing unpublished names, are evidence of the richness of the deposits. In 1890 Lange also contributed to our knowledge of these beds.

The Senonian sandstones of Quedlinburg and neighbourhood have also yielded an important Flora, first noticed by Geinitz (1850 D), but more exhaustively described by Stiehler (1854, 1857, and especially 1858). Heer (1871 A) made a small contribution, and Richter has continued the work during more recent years. In 1899 B he published a paper on the Conifers of Quedlinburg, and in 1901 a monograph on the Neocomian plants of the same district. In 1905 he described numerous Senonian plants, and published a valuable revision of the genus *Credneria*. In 1906 he prepared a similar revision of *Hausmannia*, with notes on the Lower Cretaceous Flora; and in 1909 there followed an equally exhaustive monograph on *Nathorstiana*.

WESTPHALIA.—This district, rich in fossil plants, has Cretaceous Floras of several successive horizons.

Roemer (1841) referred to the Cretaceous plants, but the earliest work of any note is W. von der Marck's monograph in the 'Palæontographica,' vol. xi. (1864), in which he described a number of species from the Plattenkalk. Saporta (1867) made Haldem a classical locality; and Hosius (1870) dealt with the more geological aspect of the beds of Cretaceous age in several localities. Hosius (1870 A) also described and figured a number of Dicotyledonous leaf-impressions from these deposits. Hosius and von der Marck (1880 & 1885) finally gave full and excellent accounts of the Upper and Lower Cretaceous plants of Westphalia, with good descriptions and figures, noticing a number of localities.

SILESIA.—The Quadersandstein (Upper Cretaceous) of Silesia was described by Goeppert in 1842 A and 1847. He illustrated and named plants from Kieslingswalde, Bunzlau, and elsewhere. Roemer (1889) also published an account of Senonian leaf-impressions from Bunzlau.

SAXONY.—The well-known fossil plants from the Cenomanian of Niederschoena have been described by several authors. They are often mentioned by Sternberg, 'Flora der Vorwelt' (1820–1838), some of them were noticed by Cotta (1836), and numerous plant-impressions were well described and illustrated by Geinitz (1842). The first really important work on this Flora, however, was that by Ettingshausen (1867 A), who dealt with dicotyledonous leaf-impressions; and his researches were followed by those of Engelhardt (1892 A).

The neighbourhoods of Dippoldiswalde and Dresden are also known for Cretaceous plant-bearing deposits, and here Glocker (1841) discovered his so-called *Gyrophyllites*. Otto in his *Addimenta* (1852 & 1854) enumerated and gave an account of the Quader plants of this region. Geinitz (1875 A) also published a paper on the plants of the Lower Quader, with a second part on those of the Middle and Upper Quader of Saxony.

HOLLAND.

The Cretaceous plants of Holland are all impressions, and are similar to those of Aix. Debey (1851) studied the specimens from Maestricht; and Miquel (1853) published a monograph on

the deposits, with a number of plates and text-figures of the plants. In 1861 Bosquet enumerated a hundred species from the Limburg Chalk of Maestricht and elsewhere.

ITALY.

Fossil Algæ and Cycads are the principal plants described from the Cretaceous of Italy. In 1891 Bozzi wrote a paper on the Cretaceous Flora which was illustrated with two plates. The most important work is that of Capellini and Solms-Laubach (1892) dealing with the Bennettitæ, some of which are of Cretaceous age.

PORTUGAL,

The Cretaceous plants of Portugal are of special interest because among them are Dicotyledons, supposed to be the earliest to reach Europe. Neocomian or Wealden plants from Almargem and elsewhere were described by Heer (1881), Cenomanian Dicotyledons were described in 1888 by Saporta, who subsequently (1891) gave a brief account of the "most ancient European Dicotyledons" of Cercal, and in 1894 published his classic Memoir. De Lima (1901) also published a short paper on Senonian plants from this country,

RUSSIA.

In Eichwald's work on the fossil Flora of Russia (1853, 1860, 1861, 1862, 1865) he dealt with a number of Cretaceous plants, mostly of Neocomian age. Mercklin (1855) described petrified woods with their structure preserved, and Krendowsky (1880) described in Russian and figured several new species of Cretaceous plants,

SWEDEN,

Surprisingly few fossil plants of Cretaceous age are known from this country, though the other Mesozoic deposits are very rich in such remains. Nilsson (1824) described and figured some plants from the Greensand of Scania, but did not name them fully and they have been re-named from time to time, Nathorst mentions and re-figures some of these in his works on

Swedish geology. Structurally-preserved woods, including fungal hyphæ, were described and figured by Conwentz in 1892 and further investigated by Felix (1894).

SWITZERLAND.

In Heer's 'Die Urwelt der Schweiz,' which first appeared in 1865, he dealt with the fossil Floras of all geological periods in Switzerland, and included an account of the Lower Cretaceous Flora of several localities. In his 'Flora fossilis Helvetiæ' (1877) he described the Neocomian plants of Berne and elsewhere, and the Upper Cretaceous plants of Freiburg and Berne. He also referred to the Flysch deposits from which Fischer-Ooster (1858) had already described the peculiar "fucoids." Though chiefly Tertiary, the lower horizons of these beds are probably of Cretaceous age.

MADAGASCAR.

Petrified wood from Madagascar has proved interesting and important (see Fliche, 1900 A, 1905).

EGYPT.

The petrified forests of Egypt were the subject of much comment even by the early writers. Among later authors, Unger (1859) and Carruthers (1870 A) may be mentioned, but the most important work was done in connection with Rohlfs's expedition (in Zittel, Palæontographica, 1883), the woods being determined by Schenk. The plants are supposed to be Upper Cretaceous, and geological evidence tends to prove this for some of the horizons; but there is still doubt as to whether much of that described as Cretaceous wood is not really Tertiary. The same plant-bearing deposits extend into Nubia, where much of the wood is probably of Cretaceous age.

AUSTRALASIA.

The plant-bearing beds of this continent are not so well known as could be wished. Unger (1866) first mentioned Cretaceous plants from New Zealand, and Ettingshausen (1887 A) subsequently described numerous species from Upper Cretaceous

formations. A translation of the latter work appeared in New Zealand in 1891. In 1893 the same author published a preliminary essay on the Cretaceous Flora of Australia, followed by an illustrated paper in 1895; and a general account of the Cretaceous Flora of the Southern hemisphere appeared in 1896. Finally in 1896 Johnston described and figured several plants, probably of Upper Cretaceous age, from Tasmania.

JAPAN.

Lower Cretaceous plant-impressions from Japan were first described by Yokoyama (1889) in his paper on the Jurassic Flora, and additional species were subsequently described and figured by Nathorst (1890) and Yokoyama (1894). He pointed out the very close affinity of many of them to the Potomac plants of North America. The Japanese Cretaceous formations, however, are notable as being the only deposits of Mesozoic age which have hitherto yielded petrified masses of plants in many respects similar to the well-known Carboniferous "coal-balls." In a paper largely dealing with Tertiary specimens Reiss (1907) described a few fragments of Gymnospermic wood from these nodules; and the remains of an extensive flora, including the leading plant phyla, have been discovered in them by Stopes and Fujii (1909, 1910), Stopes (1909, 1910), Kershaw (1910), and Suzuki (1910).

INDIA.

Feistmantel (1877) described a tree-fern from the Cretaceous of India, but all other records of Cretaceous fossil plants from this region are doubtful.

CHINA.

Yokoyama (1906) records from China a few impressions of plants which are probably of Lower Cretaceous age.

NORTH AMERICA.

CANADA.—Much work on the extensive deposits of Cretaceous plants was done by Dawson (1873–1894), who dealt principally with the numerous impressions of dicotyledonous leaves and

fragments of gymnosperms and ferns, though he found and described several woods with petrified structure. Penhallow continued the investigation of the impressions, and also treated of Gymnospermic woods, but his most interesting addition to the Flora was that of *Osmundites* with its internal anatomy (1902 A).

UNITED STATES.—The enormous extent of the Cretaceous deposits in this country, and the richness of the beds in plant-impressions, have led many workers to investigate them. The list of American publications is indeed lengthy, and instead of summarising them here, it may be better to refer to Ward's exhaustive paper (Ward, 1889, pp. 834-926) for an account of the earlier literature. Knowlton's Catalogue (1898) of the American Tertiary and Cretaceous plants brings the lists more up to date. Since this time the most active workers have been Berry (1901-1910), Knowlton (1889-1910), Hollick (1892-1910), Hollick & Jeffrey (1909), and finally Wieland, whose publications are almost confined to the Cycadophyta, which are principally from older deposits but afford results of great importance in a consideration of the Cretaceous Flora. The majority of the American specimens are in the form of leaf-impressions, and they occur eastwards in the clays and shales, and westwards in the great Coal-bearing series. Several species of petrified (silicified) wood have been described by Knowlton; but the most important plants with their internal anatomy are those with which Hollick & Jeffrey and their pupils have made the locality of Staten Island famous. These plants, preserved in the fine clay (Amboy Clay), are not exactly petrifications in the ordinary sense, but are fragments in which the internal parts are fairly well preserved, much as they would be in peat. Dr. Berry's important monograph on the Lower Cretaceous plants of America has now appeared. Unfortunately the present work only includes literature and species appearing before the end of 1910, and as so much of the present volume was in type before Dr. Berry's work was published, it is impossible to include his results.

MEXICO.—Petrifications of wood have been described by Felix & Nathorst from the State of Oaxaca; and Steinmann (1899) recorded and described interesting Siphonaceæ with their structure well preserved,

SOUTH AMERICA.

Kurtz (1902) directed attention to the existence of a Flora of the age of the "Dakota Group" in Argentina. The Neocomian flora has also received attention from Neumann (1907).

ARCTIC REGIONS.

The Cretaceous Floras of the Arctic are so well known through Heer's classical work (see '*Flora Fossilis Arctica*,' various parts in bibliography) that it will be necessary merely to mention his papers. The Kome, Atane, and Patoot Beds of Greenland are the best known, and are most important from a geological point of view on account of the proof they afford of the great changes of climate which must have occurred in that region. They have yielded a large number of plant-impressions, principally Gymnosperms and Angiosperms, with a few characteristic Ferns. Unfortunately, however, petrified specimens are not available, although something can be done with many of the cuticles, and the material on the whole is well preserved. Nathorst has continued and amplified Heer's work, his large collections of impressions testifying to the richness of the deposits; and his description of a Cenomanian plant from Greenland (1907) forms a valuable contribution to the literature of the Cycadophyta.

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- 1903. Revue des Travaux de Paléontologie végétale publiés dans le cours des années 1897-1900: *Rev. gén. Bot.*, vol. 15, pp. 330-336.
- 1905. Sur quelques Empreintes végétales de la Formation charbonneuse supracrétacée Balkans: *Ann. Mines*, ser. 10, vol. 7, pp. 326-349, pl. vii.
- 1908. Les Progrès de la Paléobotanique de l'ère des Gymnospermes: *Progress. Rei Bot.*, vol. 2, pp. 171-226.
- 1909. Revue des Travaux de Paléontologie végétale publiés dans le cours des années 1901-1906: *Rev. gén. Bot.*, vol. 20 [see pp. 167-173, 208-210].
- ZENKER, J. C.—1833. Beiträge zur Naturgeschichte der Urwelt. Pp. 67, pls. vi. Jena.
- ZIGNO, A. DE.—1864. Ueber die geognostische Zusammensetzung der Euganäischen Berge: *Zeitschr. deutsch. geol. Ges.* vol. 16, pp. 520-529.
- ZITTEL, K. A.—1890. See SCHIMPER and SCHENK.—1890.

Note on Brongniart's "Histoire des Végétaux Fossiles"

(see p. 5).

WHEN the MS. of this Literature was completed, I followed the usual British custom, and supposed the date on the title-page, 1828, was sufficient to quote for Brongniart's "Histoire." Since then some detailed work on the Carboniferous Flora has revealed to me that for nomenclatorial purposes this is insufficient. Mr. C. Davies Sherborn has kindly devoted his expert knowledge to the task of settling, so far as possible, the exact dates of the various parts, and has now fixed definitely three dates which even M. Zeiller's admirable bibliography* left uncertain. In the text throughout my volume, where the book has been quoted as 1828, reference to the following list for the page quoted, will give the exact date. I believe in no case in the present volume does the difference in date prove important.

BRONGNIART, A.—1828–1838, "Histoire des Végétaux Fossiles" etc. Paris and Amsterdam.

- Vol. I. part 1. 1828, pp. xii, 1–80; pls. 1–9, 11, 13, 14, 16–18.
 " " 2. 1828, pp. 81–136; pls. 9 bis, 10, 12, 15, 19–27.
 " " 3. 1829, pp. 137–168; pls. 28, 30–36, 38–41, 44, 45.
 " " 4. 1829, pp. 169–208; pls. 29, 42, 43, 46–49, 51, 52, 54–56, 61, 66.
 " " 5. 1830, pp. 209–248; pls. 50, 53, 57, 58, 61 bis, 62, 64, 65, 67, 68, 70, 71, 73, 76.
 " " 6. 1831, pp. 249–264; pls. 59, 60, 63, 69, 72, 74, 75, 77–82.
 " " 7. 1833, pp. 265–288; pls. 83–97.
 " " 8. 1833, pp. 289–312; pls. 82 A, 98–109.
 " " 9. 1834, pp. 313–336; pls. 110–114, 117, 118, 124, 127, 128, 130.
 " " 10. 1836, pp. 337–368; pls. 115, 116, 119–123, 125, 126, 129, 131–134.
 " " 11. 1836, pp. 369–416; pls. 135–146.
 " " 12. 1836, pp. 417–488; pls. 37, 37 bis, 82 B, 147–160.
 " " 13. 1837, pls. 161–166.
 Vol. II. " 13. 1837, pp. 1–24; pls. 1, 2, 14, 15, 18.
 " " 14. 1838, pp. 25–56; pls. 3–7, 22, 23, 26, 28, 30.
 " " 15. 1838, pp. 57–72; pls. 8–13, 16, 17, 19–21, 24, 25.

Vol. II. unfinished.

* ZEILLER, R.—1903. "Flore fossile des Gîtes de Charbon du Tonkin." Paris, p. 306.

LIST OF SPECIES OF PLANTS

FROM THE

CRETACEOUS ROCKS

DESCRIBED IN WORKS UP TO 31st DECEMBER, 1910.

THIS is an alphabetical list of all the specific names originally given to plant-remains from the Cretaceous formations, with a few references to plants first described from other formations and subsequently discovered in those of Cretaceous age. It is merely a list, without any critical observations as to synonymy; but when a new name is given to a species already known, a cross-reference is added. Mere names in lists and doubtful records, such as "*Pinus* sp.," are not included, unless a published figure or some other special circumstance justifies this course. The date following the author's name in each case corresponds with the entry in the Bibliography (pp. 1-47), which gives the full title of the work or paper quoted. Specific names are not amended, except in the case of obvious misprints, and no species have been re-named.

The names of the European Wealden plants (other than Angiosperms) are not included in this list, except those of a few species which range to higher horizons. The Wealden Flora has already been described by Prof. Seward in two earlier volumes of this series of Catalogues.

Aachenensaurus multidentis, Smets in Dollo, 1888, p. 300. (= *Aachenoxylon*, Hovelacque, 1890, and *Nicolia Moresneti*, Hovelacque, 1890.)

Aachenoxylon, Hovelacque, 1890, p. 60, text-fig. 1, pl. iii, fig. 1.
(= *Aachenosaurus multidentis*, Smets, in part.)

Upper Cretaceous; Moresnet.

Abies Benstedii, Mantell, 1843, p. 34; & 1846 (1843), p. 52, pl. ii, figs. 2, *a*, *b*, *c*; (& 1844, p. 166, pl. v, figs. 2, 2 *a*, 2 *b*, wood of same).

Lower Greensand; Maidstone.

— **Briarti** (Coemans), Schimper, 1872, p. 307. Cretaceous; Belgium.

— **calcaria**, Velenovsky, 1885, p. 33, pl. v, fig. 1, pl. vi, fig. 17.

Cenomanian; Bohemia.

— **chuchlensis**, Velenovsky, 1885, p. 34, pl. v, figs. 11-13.

Perucer Beds; Bohemia.

- Abies Linkii**, Roemer, 1839, p. 10, pl. xvii, fig. 2. (= *Abietites Linkii* (Roem.), Dunker, 1846. Recorded American Trinity div. by Fontaine, 1894.) Oolithen-gebirges; Northern Germany.
- **minor**, Velenovsky, 1885, p. 33, pl. v, figs. 14, 15, pl. viii, fig. 1. Cenomanian; Bohemia.
- **oblonga**, Lindley & Hutton, 1835, p. 155, pl. cxxxvii. (= *Abietites oblongus*, Goeppert, and *Pinites oblongus*, Williamson, 1887.) Greensand; Dorsetshire.
- **oblongata**, Buckland in Bensted, 1862, p. 337. (= *Abies oblonga* in Lindley & Hutton.) Greensand; Dorsetshire.
- (*Picea*?) **Omalii** (Coemans), Schimper, 1872, p. 307. (= *Pinus Omalii*, Coemans, 1867.) Cretaceous; Belgium.
- **Valentini**, Kurtz, 1902, p. 58. U. Cretaceous ("Dakota Beds"); Patagonia.
- Abietites acicularis**, Saporta, 1890 A, p. 814; & 1894, p. 92, pl. xvii, figs. 1, 2. Valanginian; Portugal.
- **angusticarpus**, Fontaine, 1889, p. 263, pl. cxxxii, fig. 1. Potomac Formation; Virginia, U.S.A.
- **Benstedii** (Mantell), Goeppert. (= *Abies Benstedii*, Mantell, 1846.) Lower Greensand; Maidstone.
- **californicus**, Fontaine in Diller & Stanton, 1894, p. 450 [nomen nudum]. Horsetown Beds; California, U.S.A.
- **Chevalieri**, Fliche, 1896, p. 207, pl. ix, fig. 1. Albian; Clermont, France.
- **cretacea**, Newberry, 1898, p. 18, pl. xiv, fig. 5. Dakota Group; Dakota, U.S.A.
- **curvifolius**, Dunker, 1856, p. 18, pl. xxxiii, fig. 1. Quadersandstein; Blankenburg, Saxony.
- **ellipticus**, Fontaine, 1889, p. 263, pl. cxxxii, figs. 8, 9, pl. cxxxiii, figs. 2-4, pl. clxviii, fig. 8. Potomac Formation; Virginia, U.S.A.
- **Ernestinae** (Stiebler), Lesquereux, 1874, p. 49, pl. i, fig. 7. (= *Pterophyllum Haydenii*, Lesquereux, in part.) Dakota Group; Nebraska, U.S.A.
- **Glueckii**, Richter, 1905, p. 7, pl. i, fig. 14. Upper Cretaceous; Blankenburg.
- **Goepperti**, Dunker, 1856, p. 180, pl. xxxii. Ibid.
- **Hartigi**, Dunker, 1856, p. 180, pl. xxxiii, fig. 2. (= *Araucarites Hartigi*, Schimper, 1872.) Ibid.
- **Linkii** (Roemer), Dunker, 1846, p. 18, pl. ix, figs. 11 a-e. (= *Abies Linkii*, Roemer, 1839.) (Recorded U.S.A. by Fontaine, 1894.) Wealden; North Germany.
- **macrocarpus**, Fontaine, 1889, p. 262, pl. cxxxii, fig. 7. Potomac Formation; Virginia, U.S.A.
- **marylandicus**, Fontaine in Ward, 1905, p. 549, pl. cxv, figs. 4, 5. Older Potomac Formation; Maryland, U.S.A.
- **oblongus**, Goeppert, 1850, p. 207. (= *Abies oblonga*, Lindley & Hutton, 1835.)
- **truncatus**, Saporta, 1867, p. 34.— Quadersandstein; Westphalia.

- Abietites Tyrrellii**, Dawson, 1886, p. 17.
Fort Pierre Group; North-West Territory, Canada.
- **Valentini**, Kurtz, 1902, p. 50.
U. Cretaceous (equivalent of Dakota Group); Patagonia.
- ? **sp.**, Fontaine in Ward, 1905, p. 262, pl. lxxviii, fig. 17.
Shasta Formation; California, U.S.A.
- Abiocalis yezoensis**, Suzuki, 1910, p. 181, pl. vii, figs. 1, 2.
Upper Cretaceous; Hokkaido, Japan.
- Acaciæphyllum ellipticum**, Fontaine in Ward, 1905, p. 269, pl. lxx, fig. 18.
Shasta Formation; California, U.S.A.
- **longifolium**, Fontaine, 1889, p. 279, pl. cxxxvii, fig. 6; pl. cxxxviii, figs. 1-3.
Potomac Formation; Virginia, U.S.A.
- **microphyllum**, Fontaine, 1889, p. 280, pl. cxxxviii, fig. 5. Ibid.
- **pachyphyllum**, Fontaine in Ward, 1905, p. 270, pl. lxx, fig. 19.
Shasta Formation; Knoxville, U.S.A.
- **spatulatum**, Fontaine, 1889, p. 280, pl. cxxxviii, figs. 4, 6-9.
Potomac Formation; Virginia, U.S.A.
- **variabile**, Fontaine, 1889, p. 281, pl. clxx, fig. 7.
Potomac Formation; Maryland, U.S.A.
- Acacioxylon antiquum**, Schenk, 1883, p. 9.
Cretaceous (?); Libyan Desert.
- Acer amboyense**, Newberry, 1895, p. 106, pl. xlvi, figs. 5-8 (seeds only).
Amboy Clay; Woodbridge, U.S.A.
- **antiquum**, Ettingshausen, 1867 A, p. 259, pl. iii, fig. 17.
Cenomanian; Niedersechoena, Saxony.
- **caudatum**, Heer, 1883 A, p. 38, pl. lxx, figs. 1-2.
Patoot Beds; Greenland.
- ? **cretaceum**, Nilsson, 1832, p. 345, pl. i, figs. 1-2.
Greensand; Scania, Sweden.
- **edentatum**, Heer, 1883 A, p. 39, pl. lxx, fig. 3.
Patoot Beds; Greenland.
- **minutus**, Hollick, 1893, p. 35, pl. iii, fig. 6.
Raritan Formation (?); Staten Island, U.S.A.
- **obtusilobum** (?), Unger, 1847, p. 134, pl. xliii, figs. 12, 13. (Recorded American Cret. Lesquereux, 1868, p. 100.) (= *Menispermites salinae*, Knowlton, 1898 ?)
- **paucidentatum**, Hollick, 1898 B, p. 132, pl. xiv, figs. 2, 3.
Upper Cretaceous (Clay Marl); New Jersey, U.S.A.
- **Saskatchewanense**, Dawson, 1886, p. 16.
Belly River Series; North-West Territory, Canada.
- **sp.** (fruit), Hollick, 1906 A, p. 89, pl. xxxiii, figs. 12, 13.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Acerates amboyensis**, Berry, 1909, p. 263 (naming *Acerates* sp. ?, Hollick in Newberry, 1895).
Raritan Formation; New Jersey, U.S.A.
- **arctica**, Heer, 1882, p. 82, pl. xxx, figs. 19, 20.
Atane Beds; Greenland.

- Acerates** sp.?, Hollick in Newberry, 1895, p. 124, pl. xxxii, fig. 17;
pl. xli, figs. 4, 5. (Named *Acerates amboyensis*, Berry, 1909.)
Amboy Clays; New Jersey, U.S.A.
- Aceriphyllum aralioides**, Fontaine, 1889, p. 321, pl. clxiii, fig. 8.
Potomac Formation; Virginia, U.S.A.
- Acerites? cretaceus** (Nilsson), Brongniart, 1849 A, p. 111.
Cretaceous; Scania, Sweden.
- **Emmæ**, Stiehler, 1857, p. 58 [nomen nudum].
Quadersandstein; Blankenburg, Saxony.
- **menispermifolius**, Lesquereux, 1868, p. 101. (= *Menispermites acerifolia*, Lesquereux, 1874.)
Dakota Group; Nebraska, U.S.A.
- **multiformis**, Lesquereux, 1892, p. 156, pl. xxxiv, figs. 1-9.
Dakota Group; Kansas, U.S.A.
- **pristinus**, Newberry, 1870, p. 15; & 1878, pl. v, fig. 4.
Dakota Group; Nebraska, U.S.A.
- **styracifolius**, Unger, 1850 A, p. 453 [not specifically named by
Reuss, 1846, p. 96, pl. li, figs. 4, 5].
Cenomanian (Pläner); Bohemia.
- Acrostichites Egedeanus**, Heer, 1874 A, p. 39, pl. iii, figs. 5, 5 b.
Kome Beds; Arkrusak, Greenland.
- Acrostichophyllum cretaceum**, Velenovsky, 1889, p. 28, pl. ii,
figs. 22, 23.
Cenomanian; Vyserovic, Bohemia.
- Acrostichopteris adiantifolia** (Fontaine), Berry, 1910 D, p. 629.
(= *Baieropsis adiantifolia*, Fontaine, 1889.)
Potomac Formation, &c.; Virginia, U.S.A.
- **cyclopteroides**, Fontaine, 1889, p. 109, pl. xciv, fig. 8. Ibid.
- **densifolia**, Fontaine, 1889, p. 107, pl. xciv, fig. 4, pl. clxx, fig. 11,
pl. clxxi, figs. 2, 6, pl. clxxii, fig. 13.
Potomac Formation; Maryland, U.S.A.
- **fimbriata**, Knowlton, 1907, p. 110, pl. xi, figs. 3, 3 A.
Kootanie Formation; Montana, U.S.A.
- **longipennis**, Fontaine, 1889, p. 107, pl. clxx, fig. 10, pl. clxxi,
figs. 1, 5, 7.
Potomac Formation; Maryland, U.S.A.
- **parcelobata**, Fontaine, 1889, p. 108, pl. xciv, figs. 6, 7, 11, 14.
Potomac Formation; Virginia, U.S.A.
- **parvifolia**, Fontaine, 1889, p. 108, pl. xciv, figs. 5, 9, 10, 12,
pl. clxxi, figs. 3, 4, pl. clxxii, fig. 14.
Potomac Formation; Maryland and Virginia, U.S.A.
- **pluripartita** (Fontaine), Berry, 1910 D (re-naming *Baieropsis pluripartita*, *B. pluripartita minor*, and *B. longifolia* of Fontaine, 1889).
Potomac Formation, etc.; Virginia, U.S.A.
- Acrostichum crassifolium**, Fontaine, 1889, p. 105, pl. xvi, fig. 7.
Potomac Formation; Virginia, U.S.A.
- **cretaceum**, Velenovsky, 1889, p. 5, pl. ii, figs. 22, 23.
Cenomanian; Vyserovic, Bohemia.
- **Haddeni**, Hollick, 1902, p. 146, pl. iv, figs. 3-6.
Laramie Formation; Colorado, U.S.A.

- Acrostichum primordiale**, Ettingshausen, 1893, p. 147; & 1895, p. 10, pl. i, fig. 1. Cretaceous; Australia.
- **tristaniaephyllum**, Bayer, 1899, p. 41, text-figs. 13, 13 a. Perucer Beds; Kuchelbad, Bohemia.
- Adiantites cassebeeroides**, Debey & Ettingshausen, 1859 b, p. 195, pl. ii, figs. 12-17. Senonian; Aix, Rhenish Prussia.
- **Decaisneanum**, Debey & Ettingshausen, 1859 b, p. 194, pl. ii, fig. 10. Ibid.
- **marylandicus**, Fontaine in Ward, 1905, p. 549, pl. cxv, fig. 4, 5. Potomac Formation; Vinegar Hill, U.S.A.
- **parvifolius**, Fontaine in Ward, 1905, p. 558, pl. cxvii, fig. 1. Lower Potomac Formation; Virginia, U.S.A.
- **prælongus**, Dawson, 1883, p. 25, pl. v, fig. 19. Upper Cretaceous; Vancouver Island, Canada.
- **yuasensis**, Yokoyama, 1894, p. 216, pl. xxi, fig. 15. Neocomian; Yuasa, Japan.
- Adiantum aneimiaefolium**, Saporta, 1894, p. 82, pl. xv, fig. 21. Valanginian; Portugal.
- **densinerve**, Heer, 1883 a, p. 2, pl. xlviii, fig. 15. Patoot Beds; Patoot, Greenland.
- **dilaceratum**, Saporta, 1894, p. 164, pl. xxix, figs. 10-11, pl. xxxi, fig. 7. Albian; Portugal.
- **eximium**, Saporta, 1894, p. 164, pl. xxviii, fig. 18, pl. xxxi, fig. 6. Ibid.
- **expansum**, Saporta, 1894, p. 165, pl. xxviii, fig. 17. Ibid.
- **formosum**, Heer, 1871, p. 1181; & 1874 a, p. 35, pl. iii, figs. 1, a, b, 2; pl. xiii, figs. 2 b, 11, 12. Kome Beds; Akrosak, Greenland.
- **formosum incisum**, Heer, 1874 a, p. 36, pl. xiii, figs. 11, 12. Ibid.
- **montanense**, Knowlton, 1907, p. 112, pl. xii, figs. 1, 2. Kootanie Formation; Montana, U.S.A.
- **subtilinervium**, Saporta, 1894, p. 82, pl. xviii, fig. 9. Valanginian; Portugal.
- **tenellum**, Saporta, 1894, p. 163, pl. xxix, fig. 12, pl. xxxi, fig. 4. Albian; Portugal.
- Adoxa præatavia**, Saporta, 1894, p. 187, pl. xxxiv, fig. 5. Ibid.
- Æcidites stellatus**, Debey & Ettingshausen, 1859, p. 212, pl. iii, figs. 2-3. Senonian; Aix, Rhenish Prussia.
- Ægirophyllum sp.**, Lampe, 1894, p. 197 [nomen nudum]. Cretaceous; Heimburg.
- Alcyonidiopsis longobardiæ**, Massalougo, 1856, p. 48, pl. vii, figs. 1-2. Lower Cretaceous; Italy.
- Alethopteris elegans affinis**, Eichwald, 1865, p. 16. Cretaceous; Russia.
- **elongata**, Feistmantel, 1874, p. 268. Perucer Beds; Kounitz, Bohemia.
- **odontopteroides**, Feistmantel, 1874, p. 268. Perucer Beds; Mscheno, Bohemia.

- Alethopteris Reichiana** (Brongniart), Presl in Sternberg, 1838, p. 146.
(= *Pecopteris Reichiana*, Brongniart, 1828.)
Cenomanian; Niederschoenn, Saxony.
---- **recentior**, Ettingshausen, 1852 c, p. 16, pl. iii, figs. 17, 18.
Wernsdorfer Beds.
---- **revoluta**, Schulze, 1888, p. 10 [nomen nudum].
Neocomian; Helmstein.
- Aleurites eccenica**, Lesquereux, 1873, p. 397.
Laramie Formation; Wyoming, U.S.A.
- Alisma?** **reticulata**, Heer, 1882, p. 59, pl. xv, fig. 1.
Atane Beds; Greenland.
- Alismacites dakotensis**, Lesquereux, 1892, p. 37, pl. ii, fig. 10.
Dakota Group; Kansas, U.S.A.
---- **primævus**, Saporta, 1894, p. 96, pl. xv, fig. 31, pl. xvi, fig. 13 a.
Valanginian; Portugal.
---- **primigenius**, Saporta, 1890 A, p. 814. Ibid.
- Alnites crassus**, Lesquereux, 1893, p. 13, pl. B, fig. 4.
Dakota Group; Minnesota, U.S.A.
---- ? **Friesii** (Nilsson), Brongniart, 1849 A, p. 111.
Cretaceous; Scania, Sweden.
---- **grandifolia**, Newberry, 1870, p. 9; & 1878, pl. iv, fig. 2; & 1898,
p. 67, pl. iv, fig. 2. Dakota Group; Nebraska, U.S.A.
---- **insignis**, Dawson, 1883, p. 28, pl. viii, fig. 38.
Upper Cretaceous; Vancouver Island, Canada.
---- **petiolatus**, Lesquereux, 1878, p. 10 [nomen nudum].
---- **quadrangularis**, Lesquereux, 1874, p. 62, pl. iv, fig. 1. (= *Hamamelites quadrangularis*, Lesquereux, 1876, and *Populites quadrangularis*, Lesquereux, 1868.)
Dakota Group: Kansas, U.S.A.
---- **speciosus**, Eichwald, 1865, p. 58, pl. iii, fig. 15.
Cretaceous; Russia.
- Alnus?** **Friesii**, Nilsson, 1832, p. 346, pl. i, fig. 7. Greensand; Sweden.
Alnus grandifolia, Newberry, in Reynolds, 1869, p. 164 [nomen nudum].
Nebraska, U.S.A.
---- **Grewiopsis**, Ward, 1887, p. 30, pl. xiv, fig. 1.
Laramie Formation; Wyoming, U.S.A.
- **kanseana**, Lesquereux, 1874, p. 62, pl. xxx, fig. 8. (= *Hamamelites Kansaseana*, 1876, and *H. Kansaseanus*, 1883, re-named *Quercus Kanseana* by Knowlton, 1898.)
Dakota Group; Kansas, U.S.A.
---- **protogæa**, Heer, 1883 A, p. 22, pl. lv, fig. 10.
Patoot Beds; Greenland.
- ? **sp.**, Roemer, 1889, p. 144, pl. xii, figs. 7-8.
Senonian; Bunzlau, Silesia.
- Alsophilina kauniciana**, Dormitzer in Krejci, 1853, p. 28, pl. i.
(= *Oncopteris Kauniciana* (Dorn. sp.) Velenovsky, 1888.)
Perucer Beds; Kaunitz, Bohemia.
- Amelanchier Whitei**, Hollick, 1906 A, p. 83, pl. xxxii, fig. 1.
Middle Cretaceous; Martha's Vineyard, U.S.A.

- Ampelophyllum attenuatum**, Lesquereux, 1876 A, p. 596; & 1876 B, p. 354, pl. ii, fig. 3. Dakota Group; Kansas, U.S.A.
- **firmum**, Lesquereux, 1876 A, p. 396. Ibid.
- **ovatum**, Lesquereux, 1876 B, p. 355; & 1883, p. 69. (= *Populites ovata*, Lesquereux, 1868, and *Celtis ? ovata*, Lesquereux, 1874.) Dakota Group; Nebraska, U.S.A.
- Amphibennet(t)ites Bleicheri**, Fliche, 1896, p. 163, pl. xiv, fig. 1; pl. v, fig. 2, text-fig. 3. Albian; Revigny, France.
- **Renaulti**, Fliche, 1895, p. 167, pl. v, fig. 3, text-fig. 4. Albian; Ardennes, France.
- Amphibryophyllum carinatum**, Debey in Mourlon, 1881, p. 133 [nomen nudum]. Cenomanian; Limbourg, Belgium.
- **plicatum**, Debey in Mourlon, 1881, p. 133 [nomen nudum]. Ibid.
- **verticillatum**, Debey in Mourlon, 1881, p. 133 [nomen nudum]. Ibid.
- Amygdalus taurica**, Eichwald, 1865, p. 67, pl. iii, fig. 22. Neocomian; Russia.
- Anacardites amissus**, Heer, 1882, p. 99, pl. xl, fig. 8. Atane Beds; Greenland.
- **antiquus**, Lesquereux, 1892, p. 156, pl. lvii, fig. 1. Dakota Group; Kansas, U.S.A.
- Andromeda acuminata**, Lesquereux, 1876 A, p. 593. Ibid.
- **affinis**, Lesquereux, 1876 B, p. 348, pl. iii, figs. 5, 5 a. Iaramie Formation; Montana, U.S.A.
- **australiensis**, Ettingshausen, 1893, p. 150; & 1895, p. 39, pl. iii, fig. 23. Cretaceous; Australia.
- **Cookii** (Newberry), Berry, 1909, p. 261 (re-naming *Andromeda flexuosa*, Newberry, 1896). Raritan Formation; New Jersey, U.S.A.
- **cretacea**, Lesquereux, 1892, p. 117, pl. xvii, figs. 17, 18, pl. xxiv, fig. 5. Dakota Group; Kansas, U.S.A.
- **flexuosa**, Newberry, 1895, p. 121, pl. xxxiv, figs. 1-5. (Re-named *Andromeda Cookii* by Berry in 1909.) Amboy Clay; Woodbridge, U.S.A.
- **grandifolia**, Berry, 1907, p. 204, pl. xv, fig. 3 (re-naming *Andromeda latifolia*, Newberry, 1895). Middle Cretaceous; North Carolina, U.S.A.
- **latifolia**, Newberry, 1895, p. 120, pl. xxxiii, figs. 6-10; pl. xxxiv, figs. 6-11; pl. xxxvi, fig. 10. (= *Andromeda grandifolia*, Berry, 1907.) Amboy Clay; Woodbridge, U.S.A.
- **linifolia**, Lesquereux, 1892, p. 118, pl. lii, fig. 5. Dakota Group; Kansas, U.S.A.
- **novæ-cæsareæ**, Hollick in Newberry, 1895, p. 121, pl. xlii, figs. 9-12, 28-31. Amboy Clay; New Jersey, U.S.A.
- **Parlatorii**, Heer in Capellini & Heer, 1867, p. 18, pl. i, fig. 5. Dakota Group; Nebraska, U.S.A.
- **Parlatorii longifolia**, Lesquereux, 1892, p. 116, pl. lxiv, fig. 19. Dakota Group; Kansas, U.S.A.

- Andromeda Pfaffiana**, Heer, 1882, p. 79, pl. xxv, fig. 6; pl. xxxviii, figs. 5-7; pl. xlv, fig. 12. Atane Beds; Greenland.
- **Snowii**, Lesquereux, 1892, p. 117, pl. xvii, fig. 16. Dakota Group; Kansas, U.S.A.
- **tenuinervis**, Lesquereux, 1892, p. 116, pl. xxxviii, fig. 7. Ibid.
- **Wardiana**, Lesquereux, 1892, p. 119, pl. lxiv, fig. 17. Ibid.
- **sp.**, Heer, 1874 A, p. 135, pl. xxvi, fig. 6 b. Cretaceous; Greenland.
- Androvettia carolinensis**, Berry, 1910 A, p. 183, pl. xix, figs. 1-6. Middle Cretaceous; North Carolina, U.S.A.
- **statenensis**, Hollick & Jeffrey, 1909, p. 22, pl. iii, figs. 1-5; pl. vii, figs. 1-8; pl. viii, figs. 1-12; pl. xxviii, figs. 5-8; pl. xxix, figs. 1-6. Raritan Formation; Staten Island, U.S.A.
- Aneimia perplexa**, Hollick in Newberry, 1898, p. 3, pl. xv, figs. 1, 1 a; pl. xvi, fig. 3; pl. lxiii, figs. 1-4 (re-naming *Sphenopteris elongatum*, Newberry, 1863). Laramie Formation; Orcas Island, U.S.A.
- **robusta**, Hollick, 1902, p. 145, pl. iii, fig. 1. Laramie Formation; Colorado, U.S.A.
- **stricta**, Newberry, 1895, p. 38, pl. iii, figs. 1, 2. Amboy Clay; New Jersey, U.S.A.
- **supercretacea**, Hollick, 1902, p. 145, pl. iii, figs. 6, 7. Laramie Formation; Colorado, U.S.A.
- Aneimidium lobulatum**, Saporta, 1894, p. 129, pl. xxvi, fig. 23. Urgonian; Portugal.
- **minutulum**, Saporta, 1894, p. 130, pl. xxvi, fig. 13. Ibid.
- **Schimperii**, Heer, 1874 A, p. 36, pl. ii, fig. 19; pl. xv, fig. 5 c. Kome Beds; Greenland.
- **tenerum**, Saporta, 1894, p. 130, pl. xxvi, fig. 25. Urgonian; Portugal.
- **sp.**, Heer, 1874, p. 133, pl. xvi, fig. 3 a. Cretaceous; Greenland.
- Angiopteridium auriculatum**, Fontaine, 1889, p. 113, pl. vii, figs. 8-11; pl. xxviii, fig. 1. (Re-named Berry 1910 D, *Teniopteris auriculatum*.) Potomac Formation; Virginia, U.S.A.
- **canmoreense**, Dawson, 1893, p. 83, text-fig. 2. Kootanie Formation; North-West Territory, Canada.
- **densinerve**, Fontaine, 1889, p. 115, pl. xxix, fig. 4. Potomac Formation; Virginia, U.S.A.
- **dentatum**, Fontaine, 1889, p. 117, pl. xxx, figs. 6, 7. Ibid.
- **ellipticum**, Fontaine, 1889, p. 114, pl. xxix, fig. 3. Ibid.
- **nervosum**, Fontaine, 1889, p. 114, pl. xxix, fig. 2. (Re-named, Berry 1910 D, *Teniopteris nervosum*.) Ibid.
- **oregonense**, Fontaine in Stanton, 1895, p. 22 [nomen nudum]. Horsetown Beds; Oregon, U.S.A.
- **cvatum**, Fontaine, 1889, p. 115, pl. xxix, figs. 6, 7. Potomac Formation; Virginia, U.S.A.
- **pachyphyllum**, Fontaine, 1889, p. 115, pl. xxix, fig. 5. Ibid.
- **strictinerve**, Fontaine, 1889, p. 116, pl. xxix, figs. 8, 9. Ibid.
- **strictinerve**, var. **latifolium**, Fontaine, 1889, p. 116, pl. xxx, figs. 1, 5. Ibid.

- Anisophyllum semi-alatum**, Lesquereux, 1874, p. 98, pl. vi, figs. 1-5. (= *Quercus semialata*, Lesquereux, 1868.)
Dakota Group; Nebraska, U.S.A.
— **sp.**, Dawson, 1883, p. 28, pl. viii, fig. 34.
Upper Cretaceous; Vancouver Island, Canada.
- Anomaspis hispida**, Hollick & Jeffrey, 1909, p. 50, pl. x, figs. 4, 8, 9.
Raritan Formation; New York, U.S.A.
— **tuberculata**, Hollick & Jeffrey, 1909, p. 49, pl. x, figs. 5, 6; pl. xxv, fig. 5; pl. xxvi, fig. 1. Ibid.
- Anomozamites acutiloba**, Heer, 1876 c, p. 102, pl. xxiii, fig. 1 a; pl. xxiv, figs. 1-3; pl. xxv, fig. 9; pl. xxviii, fig. 3 b. Jurassic.
Recorded for Canadian Kootanie Formation, Dawson, 1886.
— **angustifolius**, Fontaine, 1889, p. 167, pl. xxx, figs. 2, 3.
Potomac Formation; Virginia, U.S.A.
— **cretaceus**, Heer, 1874 A, p. 70, pl. xvi, figs. 19, 20.
Kome Beds; Greenland.
— **virginicus**, Fontaine, 1889, p. 168, pl. xxx, fig. 4; pl. xxxi, fig. 3.
Potomac Formation; Virginia, U.S.A.
— **sp.**, Dawson, 1893, p. 91. Kootanie Formation; British Columbia.
- Ancna cretacea**, Lesquereux, 1883, p. 77.
Dakota Group; Kansas, U.S.A.
— **robusta**, Lesquereux, 1883, p. 124, pl. xx, fig. 4.
Laramie Formation; Colorado, U.S.A.
- Anthocephale bohémica**, Bayer, 1893, pp. 32, 47, text-fig. 22; & Bayer in Fritsch, 1893, p. 132, text-fig. 193.
Senonian; Priesen, Bohemia.
- Antholithes horridus**, Dawson, 1886, p. 7.
Upper Cretaceous; North-West Territory, Canada.
- Antholithus Gaudium-Rosæ**, Ward, 1895 A, p. 355, pl. iii, fig. 7.
Potomac Formation; Virginia, U.S.A.
— **nymphæoides**, Hosius, 1870 A, p. 102, pl. xvii, figs. 35-36.
Cretaceous; Westphalia.
- Apeibopsis cyclophylla**, Lesquereux, 1892, p. 180, pl. xxv, fig. 6.
Dakota Group; Kansas, U.S.A.
— **Thomseniana**, Heer, 1882, p. 95, pl. xxxvi, fig. 5.
Atane Beds; Greenland.
- Apocynophyllum cretaceum**, Ettingshausen, 1867 A, p. 258, pl. iii, fig. 19.
Cenomanian; Niederschoena, Saxony.
— **cuneatum**, Hosius & von der Marck, 1880, p. 170, pl. xxxii, fig. 106.
Upper Senonian; Haldem, Westphalia.
— **sordidum**, Lesquereux, 1892, p. 109, pl. lxvi, fig. 11.
Dakota Group; Kansas, U.S.A.
— **subrepandum**, von der Marck, 1864, p. 79, pl. xiii, fig. 5.
Upper Senonian; Westphalia.
- **warraghianum**, Ettingshausen, 1893, pp. 138, 149; & 1895, p. 31, pl. iii, figs. 5-6.
Cretaceous; Australia.

- Aralia anisoloba**, Velenovsky, 1882 A, p. 214; & 1882 B, p. 22 (15), pl. v (iii), figs. 4-6. (= *Araliphyllum anisolobum*, Velenovsky, 1889, and *Aralia subformosa anisoloba*, Ettingshausen, 1895.)
Cenomanian; Bohemia.
- **berberidifolia**, Lesquereux, 1892, p. 135, pl. xvi, fig. 11.
Dakota Group; Kansas, U.S.A.
- **Brittoniana**, Berry, 1905 E, p. 96, pl. xlv, fig. 3.
Matawan Formation; New Jersey, U.S.A.
- **calomorpha**, Saporta, 1894, p. 188, pl. xxxiv, figs. 15-16; pl. xxxv, fig. 1, 2, 4.
Albian; Portugal.
- **Chlomekensis**, Velenovsky, 1882 A, p. 214 [nomen nudum].
Cretaceous; Bohemia.
- **Chlomekiana**, Velenovsky, 1882 B, p. 20 (13), pl. v (iii), fig. 3.
Cenomanian; Bohemia.
- **concreta**, Lesquereux, 1876 A, p. 394; & 1876 B, p. 349, pl. iv, figs. 2-4. (= *A. semiorbiculata*, Lx.)
Dakota Group; Kansas, U.S.A.
- **coriacea**, Velenovsky, 1886, p. 11 (58), pl. i (xvi), figs. 1-9; pl. ii (xvii), fig. 2.
Cenomanian; Bohemia.
- **Credneriæfolia**, Velenovsky, 1882 A, p. 214 [nomen nudum].
Cretaceous; Bohemia.
- **Daphnophyllum**, Velenovsky, 1882 A, p. 214; & 1882 B, p. 30 (23), pl. vii (v), figs. 5, 6, 7, 8, 10; pl. viii (vi), figs. 1-5.
Cenomanian; Bohemia.
- **decurrens**, Velenovsky, 1886, p. 11 (51), pl. iv (xix), figs. 5-7. (= *Aralia subformosa decurrens*, Ettingshausen, 1895.)
Ibid.
- **denticulata**, Hosius & von der Marck, 1880, p. 170, pl. xxxii, figs. 107, 107 A.
Upper Senonian; Haldem, Westphalia.
- (**Panax**) **dentifera**, Velenovsky, 1886, p. 13 (60), pl. ii (xvii), figs. 3-5.
Cenomanian; Bohemia.
- **dubia**, Fontaine, 1889, p. 314, pl. clvii, figs. 1-7. (= *Aralia Fontainei*, Knowlton, 1898.)
Potomac Formation; Virginia, U.S.A.
- **elegans**, Velenovsky, 1886, p. 13 (60), pl. iv (xix), fig. 1. (= *Aralia furcata*, Vel.)
Cenomanian; Vyserovic, Bohemia.
- **Fontainei**, Knowlton, 1898, p. 37 (re-naming *A. dubia*, Fontaine).
Potomac Formation; Virginia, U.S.A.
- **formosa**, Heer, 1869 A, p. 18, pl. viii, fig. 3. (= *Araliphyllum formosum* (Heer) Velenovsky, 1889.)
Upper Cretaceous; Moletuin, Moravia.
- **furcata**, Velenovsky, in Fritsch & Bayer, 1901, p. 152. (= *Araliphyllum furcatum*, Velenovsky.)
Perucer Beds; Bohemia.
- **grœnlandica**, Heer, 1882, p. 84, pl. xxxviii, fig. 3; pl. xxxix, fig. 1; pl. xlvi, figs. 16-17.
Atane Beds; Greenland.
- **Kowalewskiana**, Saporta & Marion, 1878, p. 12. (= *Araliphyllum Kowalewskianum* in Velenovsky, 1889.)
Cenomanian; Bohemia.
- **Masoni**, Lesquereux, 1892, p. 133, pl. xv, fig. 4.
Dakota Group; Kansas, U.S.A.

- Aralia mattewanensis**, Berry, 1905 E, p. 95, pl. xliii, fig. 2; pl. xlv, fig. 6. Matawan Formation; New Jersey, U.S.A.
- **microphylla**, Hosius & von der Marck, 1880, p. 171, pl. xxxii, fig. 108. Upper Senonian; Haldem, Westphalia.
- **minor**, Velenovsky, 1882 A, p. 214; & 1882 B, p. 25 (18), pl. v (iii) fig. 9. (= *Aralia subformosa minor*, Ettingshausen, 1895.) Cenomanian; Vyserovic, Bohemia.
- **nassauensis**, Hollick, 1894 A, p. 55, pl. clxiv, figs. 3, 7. Cretaceous; Long Island, U.S.A.
- **Newberryi**, Berry, 1907, p. 201, pl. xv, fig. 1 (re-naming *A. palmata*, Newberry). Middle Cretaceous; N. Carolina, U.S.A.
- **palmata**, Newberry, 1895, p. 117, pl. xxxix, figs. 6, 7; pl. xl, fig. 3. (= *Aralia Newberryi*, Berry, 1907.) Amboy Clay; Woodbridge, U.S.A.
- **partita**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Cretaceous; Bohemia.
- **patens**, Newberry MS. in Hollick, 1894 A, p. 54, pl. clxiv, fig. 4; & Newberry, 1895, p. 117, pl. xxviii, fig. 3. Amboy Clay; Long Island, U.S.A.
- **polymorpha**, Newberry, 1895, p. 118, pl. xxxix, figs. 1-5. Amboy Clay; Woodbridge, U.S.A.
- **propinqua**, Velenovsky, 1882 A, p. 214; & 1882 B, p. 29 (22), pl. vii (v), figs. 9-12; pl. viii (vi), fig. 6; pl. ix (vii), figs. 1-3, 6; pl. x (viii), fig. 1. Cenomanian; Vyserovic, Bohemia.
- **propinqua angustifolia**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Cretaceous; Bohemia.
- **propinqua latifolia**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **proxima**, Saporta, 1894, p. 189, pl. xxxv, fig. 3 A. Albian; Portugal.
- **pungens**, Lesquereux, 1883, p. 123, pl. xix, figs. 3-4. Laramie Formation; Colorado, U.S.A.
- **quinquepartita**, Lesquereux, 1872, p. 302; & 1874, p. 90, pl. xv, fig. 6. Dakota Group; Kansas, U.S.A.
- **radiata**, Lesquereux, 1883, p. 64, pl. vii, figs. 2-3. Ibid.
- **Ravniana**, Heer, 1882, p. 84, pl. xxxviii, figs. 1-2. Atane Beds; Greenland.
- **rotundata**, Dawson, 1886, p. 14, pl. iv, fig. 5. Mill Creek Series; Mill Creek, Canada.
- **rotundiloba**, Newberry, 1895, p. 118, pl. xxviii, fig. 5; pl. xxxvi, fig. 9. Amboy Clay; Woodbridge, U.S.A.
- **Saportana** (also spelt **Saportanea**), Lesquereux, 1876 A, p. 394; & 1876 B, p. 350, pl. i, figs. 2, 2 a. Dakota Group; Kansas, U.S.A.
- **Saportanea deformata**, Lesquereux, 1892, p. 131, pl. xxiii, figs. 1-2. Ibid.
- **semi-orbiculata**, Lesquereux, 1876 A, p. 395. (= *A. concreta*, Lx., 1876 B.) Ibid.
- **subemarginata**, Lesquereux, 1883, p. 63; & 1892, p. 133, pl. xv, fig. 3. Ibid.

- Aralia subformosa**, Ettingshausen, 1893, p. 150; & 1895, p. 40, pl. iv, fig. 4. Cretaceous; Australia.
- **subformosa angustiloba**, Ettingshausen, 1895, p. 42. (= *Aralia formosa* figured by Velenovsky, 1882, pl. v, fig. 2.)
- **subformosa anisoloba**, Ettingshausen, 1895, p. 41. (= *Aralia anisoloba*, Velenovsky, 1882.)
- **subformosa crenulata**, Ettingshausen, 1895, p. 41. Cretaceous; Australia.
- **subformosa decurrens**, Ettingshausen, 1895, p. 42. (= *Aralia decurrens*, Velenovsky, 1886.)
- **subformosa dentata**, Ettingshausen, 1895, p. 40. Cretaceous; Australia.
- **subformosa denticulata**, Ettingshausen, 1895, p. 41. (= *Aralia formosa* figured by Velenovsky, pl. vi, fig. 7.)
- **subformosa integriloba**, Ettingshausen, 1895, p. 43 (incl. *Aralia triloba*, Velenovsky, 1882).
- **subformosa minor**, Ettingshausen, 1895, p. 42. (= *Aralia minor*, Velenovsky, 1882.)
- **subformosa pluriloba**, Ettingshausen, 1895, p. 42 (incl. *Aralia Kowalewskiana* figured Velenovsky, 1882, pl. v, fig. 1, & pl. vi, fig. 1).
- **subformosa quinqueloba**, Ettingshausen, 1895, p. 42 (incl. *Aralia Kowalewskiana* figured Velenovsky, 1882, pl. vi, figs. 1-2).
- **tenera**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Cretaceous; Bohemia.
- **tenuinervis**, Lesquereux, 1883, p. 63, pl. vii, fig. 4. Dakota Group; Kansas, U.S.A.
- **Towneri**, Lesquereux, 1876 A, p. 395; & 1876 B, p. 349, pl. iv, fig. 1. Ibid.
- **transitiva**, Velenovsky, 1882 A, p. 214; & 1882 B, p. 28 (21), pl. vi (iv), figs. 8-10. (= *Araliphyllum transitivum*, Velenovsky, 1889.) Cenomanian; Kaunic, Bohemia.
- **triloba**, Velenovsky (*non* Newberry), 1882 A, p. 214; & 1882 B, p. 23 (16), pl. v (iii), figs. 7, 8. Cenomanian; Vyserovic, Bohemia.
- **tripartita**, Lesquereux, *non* Saporta, 1876 A, p. 394; & 1876 B, p. 348, pl. i, fig. 1. (= *Sterculia tripartita* [Lx.], Knowlton, 1898, p. 224.) Dakota Group; Kansas, U.S.A.
- ? **vernonensis**, Fontaine in Ward, 1905, p. 492, pl. cvii, fig. 6. Older Potomac Formation; Virginia, U.S.A.
- **Waigattensis**, Heer, 1883 A, p. 36, pl. lx, fig. 5. Patoot Beds; Greenland.
- **washingtoniana**, Berry, 1910 II, p. 27, pl. viii, fig. 4. Magothy Formation; Columbia, U.S.A.
- **wellingtoniana**, Lesquereux, 1892, p. 131, pl. xxi, fig. 1; pl. xxii, figs. 2-3. Dakota Group; Kansas, U.S.A.
- **wellingtoniana Vaughanii**, Knowlton, 1901, p. 317. Dakota Group; Texas, U.S.A.

- Aralia Westonii**, Dawson, 1886, p. 14, pl. iv, fig. 6.
 Mill Creek Series; Mill Creek, Canada
- **Wiesneri**, Krasser & Kubart, 1906, p. 47 [nomen nudum].
 Cretaceous; Moletein, Moravia.
- **sp.**, Krasser, 1896, p. 136 (24), pl. xvi (vi), figs. 5, 5a.
 Cretaceous; Kunstadt, Moravia.
- Araliæphyllum aceroides**, Fontaine, 1889, p. 319, pl. clvi, fig. 11;
 pl. clxii, fig. 2. Potomac Formation; Virginia, U.S.A.
- **acutilobum**, Fontaine, 1889, p. 318, pl. clxiii, fig. 2. Ibid.
- **haldemianum**, Debey, MS., in Saporta, 1873, p. 60, pl. vii,
 figs. 1, 2. Upper Senonian; Haldein, Westphalia.
- **magnifolium**, Fontaine, 1889, p. 318, pl. clix, figs. 9, 10.
 Potomac Formation; Virginia, U.S.A.
- **obtusilobum**, Fontaine, 1889, p. 317, pl. clxiii, figs. 1, 4; pl. clxiv,
 fig. 3. Ibid.
- Araliphyllum anisclobum**, Velenovsky, 1889, pp. 47, 50, 54.
 (= *Aralia anisoloba*, Velenovsky, 1882.) Cenomanian; Bohemia.
- **formosum** (Heer), Velenovsky, 1889, pp. 50, 54, 59. (= *Aralia*
formosa, Heer, 1869.) Ibid.
- **Kowalewskianum**, Velenovsky, 1889, pp. 50, 54, 57. (= *Aralia*
Kowalewskiana, Saporta & Marion, 1878.) Ibid.
- **transitivum**, Velenovsky, 1889, p. 119. (= *Aralia transitiva*,
 Velenovsky.) Ibid.
- Araucaria acutifolia**, Corda in Reuss, 1846, p. 94, pl. xlviii, figs. 13–
 15. Albian; Luschnitz, Bohemia.
- **bladenensis**, Berry, 1908 A, p. 255, pl. xii; pl. xiii; pl. xiv, figs. 1–3.
 Middle Cretaceous; N. Carolina, U.S.A.
- **bohémica**, Velenovsky, 1889, p. 8, pl. i, figs. 20–24.
 Cenomanian; Lipenec, Bohemia.
- **brachyphylla**, Bayer in Fritsch, 1894, p. 129, text-fig. 178; &
 Bayer, 1893, pp. 5, 36, fig. 3. Senonian; Priesen, Bohemia.
- **Clarkii**, Berry, 1910 A, p. 182.
 Middle Cretaceous; North Carolina, U.S.A.
- **crassifolia**, Corda in Reuss, 1846, p. 94, pl. xlviii, fig. 12.
 Albian; Luschnitz, Bohemia.
- **cretacea** (Brongniart), Saporta in Schimper, 1872, p. 255.
 Greensand; France.
- **epactridifolia**, Bayer in Fritsch, 1893, p. 24; & Bayer, 1893,
 pp. 4, 36, fig. 2. Senonian; Priesen, Bohemia.
- **Frici**, Velenovsky in Fritsch, 1893, p. 128, text-fig. 177.
 Priesener Beds; Priesen, Bohemia.
- **Hatcheri**, Wieland, 1910, p. 80, fig. 2 on plate. Wyoming, U.S.A.
- **hespera**, Wieland, 1910, p. 78, fig. 1 on plate, & pl. xxii.
 S. Dakota, U.S.A.
- **insulinensis**, Fliche, 1896, p. 177, pl. v, fig. 5, text-fig. 5.
 Albian; Islettes, France.
- **Jeffreyi**, Berry, 1908 A, p. 258, pl. xvi.
 Middle Cretaceous; N. Carolina, U.S.A.

- Araucaria latifolia**, Bozzi, *non* Feistmantel, in Tommasi, 1892, p. 1119
[nomen nudum]. Senonian (?); Italy.
- **macrophylla**, Bozzi, 1891, p. 375, pl. xvi, figs. 1-2.
Cretaceous (?); Vernasso, Italy.
- **Miqueli**, Debey, 1877, p. 110 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **obtusifolia**, Fontaine, 1889, p. 249, pl. lxxv, fig. 13.
Potomac Formation; Virginia, U.S.A.
- **podocarpoides**, Fontaine, 1889, p. 249, pl. lxxxvi, fig. 4. Ibid.
- **reperta**, Fliche, 1896, p. 174, pl. vi, fig. 2.
Albian; Clermont, France.
- **revigniacensis**, Fliche, 1896, p. 176, pl. v, fig. 4.
Albian; Revigny, France.
- **spatulata**, Newberry, 1868, p. 10; & 1878, pl. ii, figs. 5, 5 a.
Dakota Group; Nebraska, U.S.A.
- **Toucasi**, Saporta, 1879, p. 198, text-fig. 272.
Turonian; Toulon, France.
- **vernassiensis**, Bozzi in Tommasi, 1892, p. 1120 [nomen nudum].
Senonian (?); Italy.
- **zamioides**, Fontaine, 1889, p. 250, pl. cxxi, figs. 1-1 a.
Potomac Formation; Virginia, U.S.A.
- ? — **sp.**, Jeffrey, 1906, p. 388, pl. xxviii, figs. 14, 15.
Middle Cretaceous; New York, U.S.A.
- Araucariocaulon breveradiatum**, Lignier, 1907, p. 290, pl. xix,
figs. 33-43; pl. xxi, fig. 67, diagr. 10; pl. xxii, figs. 75-78; pl. xxiii,
figs. 79-81; text-fig. 2, p. 283. Cenomanian; Dives, France.
- Araucariophloios breveradiatum**, Lignier, 1907, p. 291. Ibid.
- Araucariopitys americana**, Jeffrey, 1907, p. 435, pls. xxviii-xxx.
Middle Cretaceous; Staten Island, U.S.A.
- Araucarioxylon ægyptiacum**, Kraus in Schimper, 1874, p. 383; &
in Schenk, 1883, p. 3, pl. i, figs. 1-2; pl. ii, fig. 3. (= *Dadoxylon*
ægyptiacum, Unger, 1858.)
Cenomanian or Lower Turonian; Libyan Desert.
- **albianum**, Fliche, 1896 a, p. 182, pl. iv, figs. 2-4.
Albian; Aube, France.
- **armeniaceum**, Gürich, 1885, p. 433. Cretaceous; Transcaucasia.
- **barremianum**, Fliche, 1900, p. 26, pl. ii, figs. 2-4.
Lower Cretaceous; Vassy, France.
- **Gardoniense**, Crié, 1890, p. 235, pl. i, figs. 1-4.
Cenomanian; Ile de Aix, France.
- **Hoppertcnæ**, Knowlton in Ward, 1899, p. 644, pls. clxiii-clix.
Dakota Group; S. Dakota, U.S.A.
- **madagascariense**, Fliche, 1900 a, p. 472, text-fig. 1.
Senonian; Madagascar.
- **noveboracense**, Hollick & Jeffrey, 1909, p. 58, pl. xxi, figs. 1-3,
5, 6. Raritan Formation; Staten Island, U.S.A.
- **Prosseri**, Penhallow, 1900, p. 77.
Comanche Cretaceous; Kansas, U.S.A.

- Araucarioxylon Tankoense**, Stopes & Fujii, 1910, p. 41, pl. iii, figs. 17-18. Upper Cretaceous; Hokkaido, Japan.
- **virginianum**, Knowlton, 1889 A, p. 50, pl. vii, figs. 2-5; & 1889 B, p. 106. Potomac Formation (Trias?); Virginia, U.S.A.
- **zeelandicum**, Crie, 1889, p. 29 [nomen nudum]. Cretaceous; New Zealand.
- Araucarites acutifolius**, Endlicher, 1847 B, p. 301. (= *Araucaria acutifolia*, Corda.) Middle Cretaceous; Bohemia.
- **adpressus**, von der Marck, 1864, p. 80, pl. xiii, figs. 10-11. Upper Senonian; Drensteinfurth, Westphalia.
- **ægyptiacus**, Goeppert, 1865 A, p. 259. (= *Araucarioxylon ægyptiacum*, Kraus, 1874.)
- **aquiensis** Fontaine, 1889, p. 264, pl. cxxxiii, figs. 8-12. Potomac Formation; Virginia, U.S.A.
- **argillicola**, Eichwald in Merck, 1853, p. 304 [nomen nudum]. Neocomian; Russia.
- **crassifolius**, Endlicher, 1847 B, p. 301. (= *Araucaria crassifolia*, Corda.) Middle Cretaceous; Bohemia.
- **cuneatus**, Ward, 1899, p. 670, pl. clxiii, fig. 10. Dakota Formation; Blackhills, U.S.A.
- **Hartigi** (Duiker), Schimper, 1872, p. 252. Quadersandstein; Blankenburg, Saxony.
- **inflatus**, Krendowsky, 1881, p. 275, pl. ii, figs. 14-19. Cretaceous; Russia.
- **Nordenskiöldi**, Heer, 1874 A, p. 125, pl. xxxvii, figs. 3, 4. Cretaceous; Spitzbergen.
- **ovatus**, Hollick, 1898 A, p. 128, pl. xii, figs. 3 A, 4. Upper Cretaceous (Clay Marl); New Jersey, U.S.A.
- **patagonica**, Kurtz, 1902, p. 49 (cone scale). Upper Cretaceous; Patagonia.
- **Reichenbachi**, Geinitz, 1842, p. 98, pl. xxiv, fig. 4. (= *Sequoia Reichenbachi*, Heer, 1868. = *Geinitzia Reichenbachi*, Hollick & Jeffrey, 1909.) Quadersandstein; Saxony.
- **virginicus**, Fontaine, 1889, p. 263, pl. cxxxiv, fig. 7. Potomac Formation; Virginia, U.S.A.
- **? Wardi**, Hill, 1893, p. 39, pl. i, figs. 1 A-D. (This is *Porocystis pruniformis*, Oragin, see Rauff, 1895.) Lower Cretaceous; Texas, U.S.A.
- **wyomingensis**, Fontaine in Ward, 1899, p. 669, pl. clxiii, figs. 1-9. Lower Cretaceous; Wyoming, U.S.A.
- **Zeilleri**, Berry, 1908 A, p. 252, pl. xi, fig. 3. Middle Cretaceous; New Jersey, U.S.A.
- Ardisia glauca**, Bayer, 1893, pp. 25 & 44, text-fig. 17; & Bayer in Fritsch, 1893, p. 131, text-fig. 189. Senonian; Priesen, Bohemia.
- Arisæma cretacea**, Lesquereux, 1892, p. 38, pl. xlvi, fig. 1. Dakota Group; Kansas, U.S.A.
- **? dubia**, Hollick, 1898 A, p. 130, pl. xii, fig. 6. Upper Cretaceous (Clay Marl); New Jersey, U.S.A.
- **? mattewanse**, Hollick, 1898 A, p. 130, pl. xii, fig. 7. Ibid.

- Aristolochia Daveauana**, Saporta, 1894, p. 183, pl. xxxv, fig. 10.
Albian; Portugal.
- **tecomæcarpa**, Bayer, 1899, p. 29, pl. i, figs. 7, 8, text-figs. 10, 10a.
Perucér Beds; Vyserovic, Bohemia.
- Aristolochiæphyllum** (?) **cellulare**, Ward, 1905, p. 492, pl. cviii, fig. 5.
Potomac Formation; Virginia, U.S.A.
- Aristolochites dentata**, Heer in Capellini & Heer, 1867, p. 18, pl. ii, figs. 1, 2.
Dakota Group; Nebraska, U.S.A.
- **infundibuliformis**, Lesquereux, 1876 A, p. 393.
Dakota Group; Kansas, U.S.A.
- Aristoloiæphyllum crassinerve**, Fontaine, 1889, p. 322, pl. clx, figs. 3-6.
Potomac Formation; Virginia, U.S.A.
- Arthropitys mirabilis**, Eichwald, 1865, p. 32, pl. v, fig. 9.
Cretaceous; Russia.
- Arthrotaxis** sp., Nathorst, 1891, p. 34, pl. i, figs. 12-14.
Cretaceous (?); Königs-Wusterhausen.
- Artocarpidium cretaceum**, Ettingshausen, 1867 A, p. 251, pl. ii, fig. 4.
Cenomanian; Niederschoena, Saxony.
- **Guillemainii**, Menzel, 1909, p. 401, pl. ii, figs. 4, 5, 6.
Senonian; Kamerun.
- **pseudo-cretaceum**, Ettingshausen, 1893, p. 148; & 1895, p. 22, pl. ii, fig. 11.
Cretaceous; Australia.
- Artocarpophyllum occidentale**, Dawson, 1894, p. 60, pl. xii, fig. 51; pl. xiii, fig. 52.
Upper Cretaceous; Vancouver Island, Canada.
- Artocarpus Dicksoni**, Nathorst, 1890 A, p. 6, pl. i, figs. 1-4.
Upper Cretaceous; Greenland.
- **Lessigiana** (Lesquereux), Knowlton, 1893 c, p. 24.
Lower Laramie Formation; Colorado, U.S.A.
- **undulata**, Hosius, 1870 A, p. 100, pl. xvi, fig. 29.
Senonian; Legden, Westphalia.
- Arundinites oppelensis**, Roemer, 1870, p. 291, pl. xxvii, fig. 6.
Cenomanian; Oppeln, Upper Silesia.
- **Wohlfarhi**, Otto, 1854, p. 27, pl. iv, fig. 2; pl. vii, figs. 1-5.
(= *Cycadeites*? *Wohlfarhi* (Otto), Geinitz, 1875 B.)
Quadersandstein; Saxony.
- Arundo cretaceus**, Lesquereux, 1868, p. 92. (= *Phragmites cretaceus*, Lx., 1874.)
Dakota Group; Nebraska, U.S.A.
- **grœnlandica**, Heer, 1874 A, p. 104, pl. xxviii, figs. 8-11.
Atane Beds; Greenland.
- Asimina eccenica**, Lesquereux, 1873, p. 387; & 1878 B, p. 251, pl. xliii, figs. 7, 8.
Laramie Formation; Wyoming, U.S.A.
- Aspidiophyllum dentatum**, Lesquereux, 1883, p. 88; & 1892, p. 212, pl. xxxix, fig. 1.
Dakota Group; Kansas, U.S.A.
- **platanifolium**, Lesquereux, 1883, p. 88, pl. ii, fig. 4. Ibid.
- **trilobatum**, Lesquereux, 1876 B, p. 361, pl. ii, figs. 1, 2. Ibid.

- Aspidium angustipinnatum**, Fontaine, 1889, p. 98, pl. xvi, figs. 1, 3, 8; pl. xvii, fig. 1; pl. xix, fig. 10. (= *Dryopteris angustipinnata* (Font.), Knowlton, 1898, p. 91; re-named.)
Potomac Formation; Virginia, U.S.A.
- **angustipinnatum montanense**, Fontaine, 1893, p. 491, pl. lxxiv, figs. 1, 1a. (= *Dryopteris angustipinnata montanense* (Font.), Knowlton, 1898, p. 91; re-named.)
Kootanie Formation; Montana, U.S.A.
- **cretaceo-zeelandicum**, Ettingshausen, 1887A, p. 174 (34), pl. vii, figs. 2, 3. Upper Cretaceous; New Zealand.
- **cystopteroides**, Fontaine, 1889, p. 99, pl. xvi, fig. 2. (= *Dryopteris cystopteroides* (Font.), Knowlton, 1898, p. 91; re-named.)
Potomac Formation; Virginia, U.S.A.
- **dentatum**, Fontaine, 1889, p. 102, pl. xxv, figs. 6, 7. (= *Dryopteris dentata* (Fontaine), Knowlton, 1898, p. 91; re-named.) Ibid.
- **Dunkeri** (Schimper), Fontaine, 1889, p. 101, pl. xxii, fig. 9; pl. xxv, figs. 11, 12; pl. xxvi, figs. 2, 8, 9, 18. (= *Cladophlebis Dunkeri* (Schimp.), Seward, 1894A, p. 100.) Ibid.
- **ellipticum**, Fontaine, 1889, p. 95, pl. xiii, figs. 9, 10. (= *Dryopteris elliptica* (Font.), Knowlton, 1898, p. 92; re-named.) Ibid.
- **fecundum**, Heer, 1882, p. 32, pl. xxix, figs. 5, 9. Atane Beds; Greenland.
- **Foersteri**, Renault, 1888, p. 352 [nomen nudum]. Cretaceous; France.
- **fredericksburgense**, Fontaine, 1889, p. 94, pl. xi, figs. 1-6; pl. xii, figs. 1-6; pl. xvi, fig. 9; pl. xix, figs. 6, 7. (= *Dryopteris fredericksburgense* (Font.), Knowlton, 1898, p. 92; re-named.)
Potomac Formation; Virginia, U.S.A.
- **heterophyllum**, Fontaine, 1889, p. 96, pl. xiv, figs. 1-5; pl. xv, figs. 1-5. (= *Dryopteris heterophylla* (Font.), Knowlton, 1898, p. 92; re-named.) Ibid.
- **Jenseni**, Heer, 1882, p. 31, pl. xvi, fig. 4; pl. xxix, fig. 4; pl. xxx, figs. 1-6. Atane Beds; Greenland.
- **Kennerlyi**, Newberry, 1863, p. 513; & Hollick in Newberry, 1898, p. 11, pl. xvi, figs. 4, 5. (= *Dryopteris Kennerlyi* (Newberry) Knowlton, 1898.) Upper Cretaceous; British Columbia.
- **macrocarpum**, Fontaine, 1889, p. 103, pl. xvii, fig. 2. (= *Dryopteris macrocarpa* (Font.), Knowlton, 1898, p. 92; re-named.)
Potomac Formation; Virginia, U.S.A.
- **microcarpum**, Fontaine, 1889, p. 103, pl. lix, figs. 2, 12; pl. lx, figs. 6, 7. (= *Dryopteris microcarpa* (Font.), Knowlton, 1898, p. 92; re-named.) Ibid.
- **monocarpum**, Fontaine, 1893, p. 490, pl. lxxxiii, figs. 4-6, 6a; pl. lxxxiv, figs. 3, 3a. (= *Dryopteris monocarpa* (Font.), Knowlton, 1898, p. 92; re-named.) Kootanie Formation; Montana, U.S.A.
- **montanense**, Fontaine, 1893, p. 490, pl. lxxxii, figs. 1-3; pl. lxxxiii, figs. 2, 3, 3a. (= *Dryopteris montanense* (Font.), Knowlton, 1898, p. 92; re-named.) Ibid.

- Aspidium oblongifolium**, Fontaine, 1889, p. 100, pl. xxi, fig. 5.
(*Dryopteris oblongifolia* (Font.), Knowlton, 1898, p. 92; re-named.)
Potomac Formation; Virginia, U.S.A.
- **Oerstedii**, Heer, 1882, p. 30, pl. xxxiv, figs. 3, 4. (= *Dryopteris Oerstedii* (Heer), Knowlton, 1898, p. 92; re-named.)
Atane Beds; Greenland.
- **parvifolium**, Fontaine, 1889, p. 100, pl. xxi, fig. 6; pl. xxiv, fig. 8;
pl. xxv, fig. 10; pl. xxvi, figs. 1, 14, 16, 17. (= *Dryopteris parvifolia*
(Fontaine), Knowlton, 1898; re-named.)
Potomac Formation; Virginia, U.S.A.
- **pinnatifidum**, Fontaine, 1889, p. 101, pl. xxi, fig. 15. (= *Dryopteris pinnatifida* (Fontaine), Knowlton, 1898; re-named.) Ibid.
- **Schowii**, Heer, 1882, p. 31, pl. xxxii, figs. 10, 10 b.
Atane Beds; Greenland.
- **ursinum**, Heer, 1870, p. 462, pl. xxxix, fig. 6 a. (Recorded by
Heer, 1880 b, from Kome Beds.) Miocene; Greenland.
- **virginicum**, Fontaine, 1889, p. 97, pl. xv, fig. 7; pl. xxi, fig. 14.
(= *Dryopteris virginica* (Fontaine), Knowlton, 1898; re-named.)
Potomac Formation; Virginia, U.S.A.
- Aspleniopteris adiantifolia**, Fontaine, 1889, p. 118, pl. xvi, fig. 6.
Ibid.
- **Nilssoni**, Sternberg, 1825, p. xxii, pl. xliii, figs. 3, 4, 5.
Greensand; Hör, Sweden.
- **pinnatifida**, Fontaine, 1889, p. 118, pl. xxii, figs. 1-3, 6, 7.
Potomac Formation; Virginia, U.S.A.
- Asplenites dubius**, Velenovsky, 1888 b, p. 16, pl. ii, figs. 17-19.
Chlomeka Beds; Leipa, Bohemia.
- **Trevirani**, Debey, 1848, p. 116 [nomen nudum].
Quadersandstein; Bavaria.
- **sp.**, Krasser, 1896, p. 122 (?), pl. xiv (iv), figs. 8, 8 a.
Cenomanian; Moletuin, Moravia.
- Asplenium albertum**, Dawson, 1886, p. 11, pl. iii, fig. 6.
Mill Creek Series; Mill Creek, Canada.
- **Boyeaenum**, Heer, 1874 A, p. 33, pl. xi, fig. 9.
Kome Beds; Greenland.
- **Brongniarti**, Debey & Ettingshausen, 1859 b, p. 193 (13), pl. ii,
figs. 1-3. (= *Hausmannia* (?) *Brongniarti* (Debey & Ettingshausen),
Richter, 1906.) Senonian; Aix, Rhenish Prussia.
- **cænopteroides**, Debey & Ettingshausen, 1859 b, p. 194 (14), pl. ii,
figs. 8-9. Senonian; Aix, Rhenish Prussia.
- **calopteris** (Debey & Ettingshausen), Heer, 1883 A, p. 5. (= *Benizia calopteris*, Debey & Ettingshausen.) Patoot Beds; Greenland.
- **Dicksonianum**, Heer, 1874 A, p. 31, pl. i, figs. 1-5.
Kome Beds; Greenland.
- **dubium**, Fontaine, 1889, p. 109, pl. x, fig. 9.
Potomac Formation; Virginia, U.S.A.
- **Foersteri**, Debey & Ettingshausen, 1859 b, p. 193 (13), pl. ii,
figs. 4-7, 11. Senonian; Aix, Rhenish Prussia.

- Asplenium Haguei**, Knowlton, 1899 B, p. 655, pl. lxxvii, figs. 1, 2.
Laramie Formation; Yellowstone Park, U.S.A.
- **Johnstrupi** (Heer), Schimper, 1869, p. 660; & Heer, 1874 A, p. 32,
pl. i, figs. 6, 7. (= *Sphenopteris Johnstrupi*, Heer.)
Kome Beds; Greenland.
- **lapideum**, Heer, 1882, p. 3, pl. ii, figs. 3, 3 b. Ibid.
- **magnum**, Knowlton, 1896, p. 450 [nomen nudum].
Laramie Formation; Yellowstone Park, U.S.A.
- **Martinianum**, Dawson, 1886, p. 5, pl. i, fig. 1.
Kootanie Formation; Martin Creek, Canada.
- **Nauckhoffianum**, Heer, 1880 B, p. 3, pl. i, figs. 9-12.
Kome Beds; Greenland.
- **Niobrara**, Dawson, 1883, p. 20, pl. i, fig. 1.
Upper Cretaceous; Peace River, North-West Territory.
- **Nordenskiöldi**, Heer, 1874 A, p. 33, pl. ii, figs. 17 a, 17 b.
Kome Beds; Greenland.
- **Nordstroemi**, Heer, 1874 A, p. 93, pl. xxvi, fig. 6 a.
Atane Beds; Greenland.
- **Palæopteris**, Unger, 1866, p. 3, pl. i, figs. 4-8.
Lower Cretaceous; New Zealand.
- **Pringelianum**, Heer, 1883 A, p. 4, pl. xlviii, figs. 9, 9 b.
Patoot Beds; Patoot, Greenland.
- **raritanense**, Berry, 1909, p. 246, pl. xviii, fig. 1.
Raritan Formation; New Jersey, U.S.A.
- **scrobiculatum**, Heer, 1883 A, p. 4, pl. xlviii, figs. 10, 10 b.
Patoot Beds; Patoot, Greenland.
- **tenellum**, Knowlton, 1900, p. 19, pl. iii, figs. 1, 2.
Montana Formation; Wyoming, U.S.A.
- **Velenovskyi**, Marik, 1901, p. 6, pl. i, fig. 13.
Cenomanian; Bohemia.
- **wyomingense**, Knowlton, 1900 A, p. 19, pl. iii, fig. 12.
Montana Formation; Wyoming, U.S.A.
- **sp.**, Knowlton, 1900 A, p. 20, pl. iii, fig. 11. Ibid.
- Asterophyllites cretaceus**, Feistmantel, 1874, p. 267. (= *Pseudo-
asterophyllites cretaceus*, Velenovsky, 1887 A.)
Perucer Beds; Bohemia.
- Asterosoma radiforme**, Otto, 1854, p. 15, pl. ii, fig. 4; pl. iii,
figs. 1, 2. Quadersandstein; Saxony.
- Astrocaryopsis Sanctæ-Manehildæ**, Fliche, 1896, p. 276, pl. xiii,
figs. 4, 5, text-fig. 12. Cenomanian; Sainte-Menehould, France.
- Athrotaxopsis expansa**, Fontaine, 1889, p. 241, pl. cxiii, figs. 5, 6
pl. cxv, fig. 2; pl. cxvi, fig. 5; pl. cxvii, fig. 6; pl. cxxxv, figs. 15,
18, 22. Potomac Formation; Virginia, U.S.A.
- **grandis**, Fontaine, 1889, p. 240, pl. cxiv, figs. 1-3; pl. cxvi, figs. 1-4;
pl. cxxxv, fig. 10. Ibid.
- **pachyphylla**, Fontaine, 1889, p. 242, pl. cxv, figs. 1, 3; pl. cxvii,
figs. 1, 3-5. Ibid.

- Athrotaxis tenuicaulis**, Fontaine, 1889, p. 241, pl. cxiv, figs. 4, 5.
pl. cxv, fig. 4; pl. cxvi, fig. 6; pl. cxvii, fig. 2.
Potomac Formation; Virginia, U.S.A.
- Aulacolepis rhomboidalis**, Ettingshausen, 1893, p. 147; & 1895,
p. 12, pl. i, fig. 10.
Cretaceous; Australia.
- Aulacophycus pedatus**, Heer, 1877, p. 143, pl. lviii, fig. 12.
Neocomian; Switzerland.
- Baiera arctica**, Heer, 1874 A, p. 37, pl. iii, fig. 3.
Kome Beds; Greenland.
- **brevifolia**, Newberry, 1891, p. 199, pl. xiv, fig. 3.
Kootanie Formation; Montana, U.S.A.
- **cretosa**, Schenk, 1871 A, p. 5, pl. i, fig. 7. (= *Sclerophyllina*
cretosa, Heer.) Wernsdorfer Beds; Austrian Silesia.
- **dichotoma**?, Heer (*non* Braun), 1876 A, p. 49, pl. xxxii, fig. 1.
Cretaceous; Spitzbergen.
- **foliosa**, Fontaine, 1889, p. 213, pl. xciv, fig. 13.
Potomac Formation; Virginia, U.S.A.
- **grandis**, Heer, 1874 A, p. 37, pl. iii, fig. 4. Kome Beds; Greenland.
- **incurvata**, Heer, 1882, p. 45, pl. xiii, fig. 6.
Atane Beds; Greenland.
- **leptopoda**, Heer, 1882, p. 46, pl. xxviii, fig. 9. Ibid.
- **longifolia** (Pomel), Heer, 1876 c, p. 39, pl. viii, fig. 6. (= *Dicro-*
pteris longifolia, Pomel, 1849. Recorded Canadian Kootanie by
Dawson, 1886.) Jurassic; Spitzbergen.
- **sagittata**, Heer, 1882, p. 46, pl. xxx, fig. 18.
Atane Beds; Greenland.
- Bajera scanica**, Sternberg, 1825, p. xxviii, pl. xlvii, fig. 2.
Greensand; Hör, Sweden.
- Baieropsis adiantifolia**, Fontaine, 1889, p. 211, pl. xcii, figs. 8, 9;
pl. xciii, figs. 1-3; pl. xciv, figs. 2, 3. (Re-named by Berry,
1910 D, *Acrostichopteris adiantifolia*).
Potomac Formation; Virginia, U.S.A.
- **adiantifolia**, var. **minor**, Fontaine, 1889, p. 212, pl. xciv, fig. 1.
Ibid.
- **denticulata**, Fontaine, 1889, p. 210, pl. xciii, fig. 7. Ibid.
- **denticulata**, var. **angustifolia**, Fontaine, 1889, p. 210, pl. xcii,
fig. 7. Ibid.
- **expansa**, Fontaine, 1889, p. 207, pl. lxxxix, figs. 1, 3; pl. xc, fig. 1;
pl. xci, fig. 2; pl. xcii, fig. 5.
Potomac Formation; Fredericksburg, U.S.A.
- **foliosa**, Fontaine, 1889, p. 209, pl. xciii, figs. 4-6. Ibid.
- **longifolia**, Fontaine, 1889, p. 210, pl. xci, fig. 6. (= *Acrosticho-*
pteris pluripartita (Fontaine), Berry, 1910 D.) Ibid.
- **macrophylla**, Fontaine, 1889, p. 212, pl. xc, fig. 6. Ibid.
- **pluripartita**, Fontaine, 1889, p. 208, pl. lxxxix, fig. 4; pl. xc,
figs. 2-5; pl. xci, figs. 1, 3, 4, 7; pl. xcii, figs. 1, 2, 6. (= *Acro-*
stichopteris pluripartita (Fontaine), Berry, 1910 D.) Ibid.

- Baieropsis pluripartita**, var. **minor**, Fontaine, 1889, p. 208, pl. xci, fig. 5; pl. xcii, figs. 3, 4. (= *Acrostichopteris pluripartita* (Fontaine), Berry, 1910 n.) Potomac Formation; Virginia, U.S.A.
 — **sp.**, Dawson, 1892, p. 87. Kootanie Formation; British Columbia.
- Bambusites australis**, Ettingshausen, 1887 A, p. 180 (40), pl. vii, fig. 21; pl. viii, figs. 1-3, 3a. Upper Cretaceous; New Zealand.
- Bambusium latifolium**, Heer, 1881, p. 22, pl. xix, figs. 1-3, 1 c. Cretaceous; Portugal.
 — **neocomense**, Heer, 1877, p. 146, pl. lviii, fig. 23. Neocomian; Switzerland.
- Banisteriophyllum cretaceum**, Ettingshausen, 1895, p. 47, pl. iv, fig. 2. Cretaceous; Australia.
- Banksia crenata**, Ettingshausen, 1893, pp. 140, 149; & 1895, p. 31, pl. iii, fig. 11. Cretaceous; Australia.
 — **cretacea**, Ettingshausen, 1893, p. 149; & 1895, p. 28, pl. iii, figs. 9, 10. Ibid.
 — **longifolia**, Ettingshausen, 1851, p. 730, pl. xxxi, fig. 19. (= *Myrica longifolia*, Unger.) Cenomanian; Niederschoena, Saxony.
 — **plagioneura**, Ettingshausen, 1893, p. 141; & 1895, p. 29, pl. iii, fig. 8. Cretaceous; Australia.
 — **prototypus**, Ettingshausen, 1851, p. 732; & 1852 A, p. 822, pl. lxiii, figs. 2, 3. Cenomanian; Niederschoena, Saxony.
 — **pusilla**, Velenovsky, 1883, p. 7 (32), pl. i (ix), figs. 14-17. Cenomanian; Bohemia.
 — **sub-longifolia**, Ettingshausen, 1893, p. 141; & 1895, p. 29, pl. iii, fig. 7. Cretaceous; Australia.
- Banksites pusillus**, Velenovsky, 1882 A, p. 213 [nomen nudum]. Cretaceous; Bohemia.
 — **Saportanus**, Velenovsky, 1882 A, p. 213; & 1883, p. 7 (32), pl. i (ix), figs. 18-20. Cenomanian; Bohemia.
- Bauhinia cretacea**, Newberry, 1886 B, p. 77, pl. lvi, fig. 5. Middle Cretaceous; New Jersey, U.S.A.
 — ? **gigantea**, Newberry, 1895, p. 93, pl. xx, fig. 1. Amboy Clay; Woodbridge, U.S.A.
 — **marylandica**, Berry, 1908 c, p. 219, three text-figs. Magothy Formation; Maryland, U.S.A.
- Belodendron densifolium**, von der Marck, 1864, p. 80, pl. xiii, figs. 8, 9. Upper Senonian; Sendenhorst, Westphalia.
 — **gracile**, Debey, 1849, p. 299 [nomen nudum]. Senonian; Aix, Rhenish Prussia.
 — **lepidodendroides**, Debey, 1848, p. 121 [nomen nudum]. Ibid.
 — **Neesii**, Debey, 1848 A, p. 121 [nomen nudum]. Ibid.
- Benizia calopteris**, Debey & Ettingshausen, 1859 B, p. 216 (36), pl. v figs. 13-17. (= *Asplenium calopteris*, Heer, 1883 A.) Senonian; Aix, Rhenish Prussia.

- Bennettites dacotensis**, McBride, 1893, p. 249, pl. xi, figs. 1, 2.
(= *Cycadeoidea dacotensis* of Ward, 1894).
Dakota Group; S. Dakota, U.S.A.
- **Gibsonianus**, Carruthers, 1870, p. 700, pls. lviii-lx. (= *Bennettites Gibsoni*, Carruthers, 1868.) Lower Greensand; Isle of Wight.
- **Gibsoni**, Carruthers [nomen nudum]. (= *Bennettites Gibsonianus*, Carruthers, 1870.)
- **Maraniana**, Scarabelli MS. in Capellini & Solms-Laubach, 1892, p. 110, pl. iii, fig. 4; pl. ii, fig. 3. Cretaceous (?); Italy.
- **maximus**, Carruthers, 1870, p. 699.
Lower Greensand; Shanklin; Isle of Wight.
- **Schachtii** (Coemans), Carruthers, 1870, p. 699. (= *Cycadeoidea Schachtii*, Capellini & Solms-Laubach, 1892.) Gault; Belgium.
- Benstedtia** sp. (Mackie), Seward, 1896 B, p. 219, pl. xiv, fig. 3. (= *Dra-cæna Benstedtii*, Mackie, 1862.) Greensand; Maidstone, Kent.
- Benthamia dubia**, Velenovsky, 1887, p. 11 (72), pl. vii (xxx), figs. 4, 6.
Perucer Beds; Vyserovic, Bohemia.
- Benzoin Masoni** (Lesquereux), Knowlton, 1898, p. 47 (re-naming *Lindera Masoni*, Lesquereux, 1892).
Dakota Group; Kansas, U.S.A.
- **venustum** (Lesquereux), Knowlton, 1898, p. 47 (re-naming *Lindera venusta*, Lesquereux, 1892). Dakota Group; Kansas, U.S.A.
- Bergeria minuta**, Presl in Sternberg, 1838, p. 184, pl. xlix, figs. 2 a, b, 3.
Cenomanian; Saxony.
- Betula atavina**, Heer, 1883 A, p. 22, pl. lv, figs. 8, 21 b.
Patoot Beds; Greenland.
- **beatriciana**, Lesquereux, 1868, p. 95; & 1874, p. 61, pl. v, fig. 5; pl. xxx, fig. 4. Dakota Group; Nebraska, U.S.A.
- **Goepperti**, Lesquereux, 1878 B, p. 138, pl. xvii, figs. 21-23.
Laramie Formation; Wyoming, U.S.A.
- **perantiqua**, Dawson, 1883, p. 27, pl. vii, fig. 27.
Upper Cretaceous; Vancouver Island, Canada.
- **Stevensonii**, Lesquereux, 1872, p. 293; & 1878 B, p. 139, pl. xviii, figs. 1-5. Laramie Formation, Wyoming, U.S.A.
- **tremula**, Heer, 1883 A, p. 21, pl. liii, fig. 1 c; pl. lv, fig. 9.
Patoot Beds; Greenland.
- **vetusta**, Heer, 1883 A, p. 22, pl. lv, fig. 7. Ibid.
- Betulites denticulata**, Heer in Capellini & Heer, 1867, p. 15, pl. iv, figs. 5, 6. Dakota Group; Nebraska, U.S.A.
- ? **Hatcheri**, Knowlton in Stanton & Hatcher, 1905, p. 141, pl. xviii, fig. 3. Judith River Beds; Montana, U.S.A.
- **populifolius**, Lesquereux, 1892, p. 64, pl. vi, figs. 1, 2.
Dakota Group; Kansas, U.S.A.
- **rugosus**, Lesquereux, 1892, p. 65, pl. vi, figs. 3-5. Ibid.
- **Snowii**, Lesquereux, 1892, p. 64, pl. v, figs. 1-4. Ibid.
- **Westii**, Lesquereux, 1892, p. 60, pl. iv, figs. 1-22; pl. v, figs. 5-14. Ibid.

- Betulites Westii**, var. *crassus*, Lesquereux, 1892, p. 63, pl. v, figs. 5-17. Dakota Group; Kansas, U.S.A.
- **Westii**, var. *cuneatus*, Lesquereux, 1892, p. 62, pl. v, fig. 8. Ibid.
- **Westii**, var. *grewiopsideus*, Lesquereux, 1892, p. 63, pl. lxiv, fig. 10. Ibid.
- **Westii**, var. *inæquilateralis*, Lesquereux, 1892, p. 62, pl. v, figs. 10-13. Ibid.
- **Westii**, var. *lanceolatus*, Lesquereux, 1892, p. 62, pl. v, fig. 14. Ibid.
- **Westii**, var. *latifolius*, Lesquereux, 1892, p. 61, pl. iv, figs. 9-11. Ibid.
- **Westii**, var. *multinervis*, Lesquereux, 1892, p. 62, pl. iv, figs. 20-22. Ibid.
- **Westii**, var. *oblongus*, Lesquereux, 1892, p. 61, pl. iv, figs. 17-19. Ibid.
- **Westii**, var. *populoides*, Lesquereux, 1892, p. 63. Ibid.
- **Westii**, var. *obtusus*, Lesquereux, 1892, p. 61, pl. iv, figs. 5-8. Ibid.
- **Westii**, var. *quadratifolius*, Lesquereux, 1892, p. 62, pl. v, fig. 9. Ibid.
- **Westii**, var. *reniformis*, Lesquereux, 1892, p. 62, pl. v, fig. 5. Ibid.
- **Westii**, var. *rhomboidalis*, Lesquereux, 1892, p. 62, pl. v, figs. 6, 7. Ibid.
- **Westii**, var. *rotundatus*, Lesquereux, 1892, p. 61, pl. iv, figs. 12-16. Ibid.
- **Westii**, var. *subintegrifolius*, Lesquereux, 1892, p. 61, pl. iv, figs. 1-4. Ibid.
- **sp.**, Lesquereux, 1892, p. 65, pl. v, fig. 18. Ibid.
- Dakota Group; Dakota, U.S.A.
- Bignonia cordata**, Velenovsky, 1887, p. 9 (70), pl. vi (xxix), fig. 5. (= *Bignoniophyllum cordatum*, Velenovsky, 1889.)
- Cenomanian; Bohemia.
- **pulcherrima**, Bayer, 1899, p. 33, pl. i, figs. 9-14; pl. ii, figs. 4-10; text-figs. 11, 12. Perucer Beds; Bohemia.
- **silesiaca**, Velenovsky, 1887, p. 8 (69), pl. vii (xxx), figs. 1, 2, 5, 11, 15. Cenomanian: Kieslingswalde.
- Bignoniophyllum cordatum**, Velenovsky, 1889, pp. 54, 58. (= *Bignonia cordata*, Velenovsky, 1885.)
- Blechnum priscum**, Ettingshausen, 1887 A, p. 174 (34), pl. vii, figs. 1, 1 a. Upper Cretaceous; New Zealand.
- **zeelandicum**, Crié, 1889, p. 88 (14) [nomen nudum]. Cretaceous; New Zealand.
- Blyttia infracretacea**, Saporta, 1894, p. 122, pl. xxiii, fig. 15; pl. xxiv, fig. 7 b. Urgonian; Portugal.
- Bombacophyllum argillaceum**, Velenovsky, 1889. (= *Bombacargillaceum*, Velenovsky, 1883.)

- Bombax argillaceum**, Velenovsky, 1882 A, p. 213; & 1883, p. 20 (45),
pl. ii (x), figs. 17-19; pl. iv (xii), figs. 6-9. (= *Bombacophyllum*
argillaceum, Velenovsky, 1889.) Cenomanian; Bohemia.
- **virginiensis**, Fontaine, 1889, p. 310, pl. cli, fig. 4.
Potomac Formation; Virginia, U.S.A.
- Bonaventura cardinalis**, Debey & Ettingshausen, 1859 B, p. 203,
pl. iii, figs. 2-19. Senonian; Aix, Rhenish Prussia.
- Boueina Hochstetteri**, Toulou, 1884, p. 1319, pls. vii-x; & Steinmann,
1901, pp. 1-5, text-figs. 1-7. Upper Neocomian; Servia.
- Bowerbankia attenuata**, Debey, 1849, p. 299 (31) [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **emarginata**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- **maxima**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- **repanda**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- **rotundifolia**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- Brachyoxylon notabile**, Hollick & Jeffrey, 1909, p. 54, pl. xiii,
figs. 2-6; pl. xiv, fig. 2. Raritan Formation; Staten Island, U.S.A.
- Brachyphyllum Brardianum**, Brongniart, 1849 A, p. 110 [nomen
nudum]. Lower Cretaceous; France.
- **confusum**, Saporta, 1894, p. 112, pl. xx, fig. 8. Aptian; Portugal.
- **corallinum**, Heer, 1881, p. 21, pl. xii, figs. 1-3, 1 aa.
Cretaceous; Portugal.
- **crassicaule**, Fontaine, 1889, p. 221, pl. c, fig. 4; pl. cix, figs. 1-7;
pl. ex, figs. 1-3; pl. exi, figs. 6, 7; pl. exii, figs. 6-8; pl. clxviii,
fig. 9. Potomac Formation; Virginia, U.S.A.
- **crassum**, Lesquereux, 1892, p. 32, pl. ii, fig. 5.
Dakota Group; Kansas, U.S.A.
- **macrocarpum**, Newberry MS. in Newberry, 1895 (footnote by
Hollick), p. 51; and for internal structure, Jeffrey, 1906 B, p. 384,
pl. xxvii. Amboy Clay; New Jersey, U.S.A.
- **obesiforme**, Saporta, 1894, p. 176, pl. xxxi, figs. 12-13; pl. xxxiii,
fig. 4b; pl. xxxiv, fig. 8. Albian, Portugal.
- **obesiforme elongatum**, Saporta, 1894, p. 176, pl. xxxi, fig. 14.
Ibid.
- **obesum**, Heer, 1881, p. 20, pl. xvii, figs. 1-4.
Cretaceous; Portugal.
- **Orbignianum**, Brongniart, 1849 B, p. 309; and d'Orbigny, 1852,
p. 650, text-fig. 529. Cenomanian; Isle d'Aise.
- **parceramosum**, Fontaine, 1889, p. 223, pl. cx, fig. 4.
Potomac Formation; Virginia, U.S.A.
- **texense**, Fontaine, 1894, p. 269, pl. xxxviii, figs. 3-5; pl. xxxix,
figs. 1, 1 a. Trinity Division; Texas, U.S.A.
- **sp. ?**, Fontaine, 1889, p. 224, pl. clxviii, fig. 2.
Dakota Group; Virginia, U.S.A.
- **sp. ?**, Fontaine, 1889, p. 224, pl. cxxxv, fig. 9. Ibid.
- **sp. ?**, Fontaine, 1889, p. 223, pl. cxxxv, fig. 8. Ibid.
- **sp. ?**, Hollick & Jeffrey, 1909, p. 37, pl. ix, figs. 5, 6; pl. vi, fig. 3;
pl. xiv, fig. 3. Raritan Formation; New York, U.S.A.

- Brachyphyllum** sp., Jeffrey, 1906 B, p. 389, pl. xviii, figs. 16-17.
- Brasenia antiqua**, Dawson, 1886, p. 15, text-fig. (Re-named by Hollick, 1894 D, *Nelumbo Dawsoni*).
Belly River Series; Medicine Hat, Canada.
- Braseniopsis venulosa**, Saporta, 1894, p. 192, pl. xxxiv, figs. 1-4.
Albian; Portugal.
- **villarsioides**, Saporta, 1894, p. 195, pl. xxxv, fig. 9. Ibid.
- Bresciphyllum cretaceum**, Velenovsky, 1889, p. 25, pl. v, figs. 2, 3.
Cenomanian; Bohemia.
- Bromelia?** **tenuifolia**, Lesquereux, 1892, p. 41, pl. i, fig. 13.
Dakota Group; Kansas, U.S.A.
- Bronnites orientalis**, Unger, 1850, p. 524. Turkey.
- Bryocarpus monostachys**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **polystachys**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- Bumelia marcouana** (Heer), Lesquereux, 1874, p. 90, pl. xxviii, fig. 2.
(= *Leguminosites marcouanus*, Heer in Dana)
Dakota Group; Nebraska, U.S.A.
- **? rhomboidea**, Lesquereux, 1892, p. 113, pl. li, fig. 10.
Dakota Group; Kansas, U.S.A.
- Butomites cretaceus**, Velenovsky, 1889, p. 25, pl. iii, figs. 10-13, 15.
Cenomanian; Bohemia.
- Caesalpinia Cookiana**, Hollick in Newberry, 1895, p. 94, pl. xlii, figs. 49, 50.
Amboy Clay; New Jersey, U.S.A.
- **raritanensis**, Berry, 1909, p. 257.
Raritan Formation; New Jersey, U.S.A.
- Calamitopsis Konigi**, von der Mark, 1864, p. 81, pl. xiii, fig. 12.
(= *Frenelopsis Konigii*, Hosius & v. d. Mark, 1880.)
Senonian; Drensteinfurth, Westphalia.
- Callistemon cretaceum**, Velenovsky, 1889, p. 22, pl. i, fig. 3.
Cenomanian; Vyserovic, Bohemia.
- Callistemophyllum ambiguum**, Ettingshausen in Reuss, 1854, p. 740 [nomen nudum].
Cenomanian; Moletein, Moravia.
- **Bruderi**, Engelhardt, 1892, p. 115, pl. i, figs. 6, 7.
Cretaceous: Bohemia.
- **Heerii**, Ettingshausen, 1867 A, p. 261, pl. iii, fig. 13.
Cenomanian; Niederschoena, Saxony.
- Callitris?** sp., Fontaine, 1889, p. 272, pl. clxix, fig. 8.
Potomac Formation; Virginia, U.S.A.
- Calycites alatus**, Hollick, 1905 C, p. 417, pl. lxxii, fig. 8.
Cretaceous Shale; Long Island, U.S.A.
- **diospyriformis**, Newberry, 1895, p. 132, pl. xlvi, figs. 39-41.
Amboy Clay; Woodbridge, U.S.A.
- **hexaphylla**, Lesquereux, 1873, p. 402.
Laramie Formation; Wyoming, U.S.A.
- **obovatus**, Hollick, 1906 A, p. 109, pl. v, fig. 24.
Middle Cretaceous; Martha's Vineyard, U.S.A.

- Calycites parvus**, Newberry, 1895, p. 131, pl. xlv, figs. 28-29.
Amboy Clay; Woodbridge, U.S.A.
- **sp.**, Lesquereux, 1892, p. 221, pl. xxii, fig. 8.
Dakota Group; Kansas, U.S.A.
- Camptoneura paradoxa**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- Camptoneura truncata**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- Camptopteris biloba**, Presl in Sternberg, 1838, p. 168, in Sternberg, 1825, pl. xlii, fig. 2. Quadersandstein; Hör, Saxony.
- Cannophyllites Hisingeri**, Goeppert, 1848, p. 277 [nomen nudum].
Quadersandstein; Silesia.
- **Nilssoni**, Unger, 1850 A, p. 317. Greensand; Scania, Sweden.
- **septentrionalis**, Nilsson, 1832, p. 346, pl. i, fig. 9. Ibid.
- Capparidoxylon Geinitzi**, Schenk, 1883, p. 12, pl. i, figs. 3-4.
Cretaceous; Cairo, Egypt.
- Cardiopteris tasmanicus**, Johnston, 1896, p. 63, fig. 9.
Cretaceous(?); Tasmania.
- Carex Clarkii**, Berry, 1905 D, p. 347, text-fig. 1.
Middle Cretaceous; Maryland, U.S.A.
- Carolopteris aquensis**, Debey & Ettingshausen, 1859 B, p. 206, pl. iii, figs. 20-27.
Senonian; Aix, Rhenish Prussia.
- **asplenioides**, Debey & Ettingshausen, 1859 B, p. 210, pl. iii, figs. 29-33; pl. iv, fig. 22. Ibid.
- Carpinites arenaceus**, Goeppert, 1847, p. 306, pl. xxxvii, figs. 5-7.
Cretaceous; Silesia.
- **microphyllus**, Heer, 1883 A, p. 23, pl. lv, fig. 13.
Patoot Beds; Greenland.
- Carpinoxylon compactum**, Vater, 1884, p. 848, pl. xxix, figs. 28, 29.
Lower Senonian (?); Helmstedt.
- Carpites alatus**, Knowlton in Stanton & Hatcher, 1905, p. 150, pl. xvi, fig. 2. Judith River Beds; Montana, U.S.A.
- **burmanniæformis**, Saporta, 1894, p. 151, pl. xxvi, figs. 9-12.
Urgonian; Portugal.
- **bursæformis**, Lesquereux, 1878 B, p. 306, pl. lx, fig. 30.
Laramie Formation; Wyoming, U.S.A.
- **cocculoides? major**, Lesquereux, 1878 B, p. 307, pl. lx, figs. 38, 39. Ibid.
- **coniger**, Lesquereux, 1892, p. 221, pl. xxxviii, fig. 17.
Dakota Group; Kansas, U.S.A.
- **cordiformis**, Lesquereux, 1892, p. 220, pl. xxii, fig. 9. Ibid.
- **glumæformis**, Lesquereux, 1878 B, p. 304, pl. xxxv, fig. 4 a; pl. lx, figs. 14-17. Laramie Formation; Wyoming, U.S.A.
- **granulatus**, Saporta, 1894, p. 209, pl. xxxvi, fig. 17.
Upper Albian; Portugal.
- **judithæ**, Knowlton in Stanton & Hatcher, 1905, p. 149, pl. xvi, fig. 4. Judith River Beds; Montana, U.S.A.
- **laurineus**, Lesquereux, 1878 B, p. 304, pl. lx, figs. 20, 21.
Laramie Formation; Colorado, U.S.A.

- Carpites ligatus**, Lesquereux, 1878 B, p. 307, pl. lx, figs. 36, 36 a.
Laramie Formation; New Mexico.
- **liriophylli?**, Lesquereux, 1883, p. 77, pl. xi, fig. 5.
Dakota Group; Colorado, U.S.A.
- **minutulus**, Lesquereux, 1878 B, p. 305, pl. lx, fig. 25. Tertiary.
Recorded, Berry, 1905, p. 32, from Cretaceous of Cliffwood, U.S.A.
- **mitratus**, Lesquereux, 1878 B, p. 304, pl. lx, figs. 18, 19.
Laramie Formation; Wyoming, U.S.A.
- **myricarum**, Lesquereux, 1878 B, p. 303, pl. lx, figs. 8–11. Ibid.
- **obovatus**, Lesquereux, 1892, p. 221, pl. lxii, fig. 5.
Dakota Group; Kansas, U.S.A.
- **plicicostatus**, Saporta, 1894, p. 151, pl. xxvi, fig. 8.
Urgonian; Portugal.
- **pruni**, Knowlton in Stanton & Hatcher, 1905, p. 149, pl. xv, figs. 6, 6 a.
Judith River Beds; Montana, U.S.A.
- **rhomboidalis**, Lesquereux, 1878 B, p. 306, pl. lx, figs. 28, 29.
Laramie Formation; Colorado, U.S.A.
- **spiralis**, Lesquereux, 1878 B, p. 306, pl. lx, fig. 27.
Laramie Formation; New Mexico.
- **tileaceus** (Heer), Lesquereux, 1892, p. 221, pl. xxii, figs. 6, 7.
Dakota Group; Kansas, U.S.A.
- **triangulosus**, Lesquereux, 1878 B, p. 302, pl. lx, fig. 4; pl. lxii, figs. 19, 20.
Laramie Formation; Wyoming, U.S.A.
- **utahensis**, Lesquereux, 1878 B, p. 305, pl. lx, fig. 22. Ibid.
- **valvatus**, Lesquereux, 1878 B, p. 307, pl. lx, fig. 37. Ibid.
- **verrucosus**, Lesquereux [*non* (Heer) Schimper], 1878 B, p. 305, pl. lx, fig. 23. Ibid.
- **Viburni**, Lesquereux, 1878 B, p. 305, pl. lx, figs. 26, 26 a. Ibid.
- Carpolithus agglomeratus**, Fontaine, 1889, p. 267, pl. cxxxiv, fig. 5.
Potomac Formation; Virginia, U.S.A.
- **arachnioides**, Lesquereux, 1873, p. 403.
Laramie Formation; Wyoming, U.S.A.
- **avellaniformis**, Schlotheim, 1820, p. 421; & 1822, pl. xxi, fig. 6.
Senonian; Aix, Rhenish Prussia.
- **barrensis**, Ward, 1899 B, p. 692, pl. clxix, figs. 14, 15.
Cretaceous; Black Hills, U.S.A.
- **brookensis**, Fontaine, 1889, p. 268, pl. cxxxv, figs. 2, 4; pl. cxxxvi, fig. 6; pl. clxvii, fig. 6. Potomac Formation; Virginia, U.S.A.
- **cliffwoodensis**, Berry, 1905 E, p. 100, pl. xlviii, fig. 6.
Matawan Formation; New Jersey, U.S.A.
- **collophylloides**, Ettingshausen, 1893, p. 151 [*nomen nudum*].
Cretaceous; Australia.
- **complanatus**, Ettingshausen, 1893, p. 151; & 1895, p. 53, pl. iv, fig. 23. Ibid.
- **conjugatus**, Fontaine, 1889, p. 267, pl. cxxxiv, fig. 9.
Potomac Formation; Virginia, U.S.A.
- **cretaceus**, Ettingshausen, 1867 A, p. 262, pl. iii, fig. 2.
Cenomanian; Niederschoena, Saxony.

- Carpolithus curvatus**, Fontaine, 1889, p. 269, pl. cxxxv, fig. 17.
Potomac Formation; Virginia, U.S.A.
- **drupæformis**, Hollick, 1898 d, p. 134, pl. xi, figs. 4, 4a.
Upper Cretaceous (Clay Marl); New Jersey, U.S.A.
- **dubius**, Berry, 1905 e, p. 100, pl. xlviii, fig. 7.
Matawan Formation; New Jersey, U.S.A.
- **euonymoides**, Hollick, 1906 a, p. 110, pl. vii, fig. 2.
Middle Cretaceous; Staten Island, U.S.A.
- **euphorbioides**, Goeppert, 1842 b, p. 157, pl. liv, fig. 19.
Senonian; Aix, Rhenish Prussia.
- **fagiformis**, Ettingshausen, 1893, p. 151; & 1895, p. 53, pl. iv, fig. 22.
Cretaceous; Australia.
- **falcatus**, Lesquereux, 1873, p. 398.
Laramie Formation; Wyoming, U.S.A.
- **fasciculatus**, Fontaine (*non* Lesquereux), 1889, p. 265, pl. cxxxiv, fig. 1.
Potomac Formation; Virginia, U.S.A.
- **floribundus**, Newberry, 1895, p. 133, pl. xlv, figs. 17-21.
Amboy Clay; Woodbridge, U.S.A.
- **foenarius**, Ward, 1899 b, p. 693, pl. clxix, figs. 17, 18.
Lower Cretaceous; Black Hills, U.S.A.
- **geminatus**, Fontaine, 1889, p. 267, pl. cxxxiv, fig. 10.
Potomac Formation; Virginia, U.S.A.
- **Harveyi**, Fontaine, 1894, p. 278, pl. xliii, fig. 3.
Trinity Division; Texas, U.S.A.
- **hirsutus**, Newberry, 1895, p. 134, pl. xlv, figs. 14, 14a.
Amboy Clay; Woodbridge, U.S.A.
- **horridus**, Dawson, 1883, p. 21, pl. i, fig. 3.
Upper Cretaceous; North-West Territory, Canada.
- **hymenospermoides**, Ettingshausen, 1893, p. 151 [*nomen nudum*].
Cretaceous; Australia,
- **juglandiformis**, Berry (*non* Schlotheim), 1905 e, p. 100, pl. xlvi, fig. 8.
Matawan Formation; New Jersey, U.S.A.
- **juglandiformis**, Schlotheim, 1822, p. 97, pl. xxii, fig. 5.
Senonian; Aix, Rhenish Prussia.
- **komensis**, Heer, 1882, p. 17, pl. iii, figs. 12, 12 b.
Kome Beds; Greenland.
- **latus**, Fontaine, 1889, p. 269, pl. cxxxv, fig. 3.
Potomac Formation; Virginia, U.S.A.
- **longipes**, Heer (*non* Massalongo), 1883 a, p. 45, pl. lix, figs. 8-9.
Patoot Beds; Greenland.
- **mattewanensis**, Berry, 1905 a, p. 48, pl. ii, fig. 7.
Cretaceous; New Jersey, U.S.A.
- (**Zamites**) **meridionalis**, Dawson, 1894, p. 64, pl. x, fig. 42.
Upper Cretaceous; Vancouver Island, Canada.
- **montium-nigrorum**, Ward, 1899 b, p. 692, pl. clxix, fig. 13.
Lower Cretaceous; Black Hills, U.S.A.
- **mucronatus**, Fontaine, 1889, p. 270, pl. cxxxvi, fig. 15.
Potomac Formation; Virginia, U.S.A.

- Carpolithus oblongus**, Goeppert, 1842 B, p. 158, pl. liv, fig. 20.
Senonian; Aix, Rhenish Prussia.
- **obovatus**, Fontaine, 1894, p. 278, pl. xliii, fig. 5.
Trinity Division; Texas, U.S.A.
- **ostryæformis**, Berry, 1905 A, p. 47 (re-naming *Carpolithus virginienensis*, Berry, 1903, non Fontaine).
Cretaceous; New Jersey, U.S.A.
- **ovæformis**, Newberry, 1895, p. 134, pl. xlvi, figs. 15, 16.
Amboy Clay; Woodbridge, U.S.A.
- **patootensis**, Heer, 1883 A, p. 46, pl. lxiv, fig. 13.
Patoot Beds; Greenland.
- **pruniformis**, Newberry (*non* Heer *nec* Schlotheim), 1895, p. 133, pl. xlvi, fig. 42.
New Jersey?, U.S.A.
- **pruniformis**, Schlotheim (*non* Heer), 1822, p. 97, pl. xxi, fig. 4.
Senonian; Aix, Rhenish Prussia.
- **sarthacensis**, Crié, 1877, p. 232 [nomen nudum].
Cretaceous; Mans, France.
- **scrobiculatus**, Heer, 1874 A, p. 120, pl. xxvi, figs. 15, 16.
Atane Beds; Greenland.
- **semisulcatus**, Ettingshausen, 1893, p. 251; & 1895, p. 53, pl. iv, fig. 21.
Cretaceous; Australia.
- **sessilis**, Fontaine, 1889, p. 269, pl. cxxxvi, fig. 9.
Potomac Formation; Virginia, U.S.A.
- **siliculæformis**, Ettingshausen, 1893, p. 151; & 1895, p. 53, pl. iv, fig. 20.
Cretaceous; Australia.
- **Smithiæ**, Mantell, 1844, p. 196; & 1846, p. 53, pl. ii, figs. 3, *a*, *b*, *c*, *d*.
Upper Chalk; Kent.
- **spinosus**, Newberry, 1883, p. 514; & 1898, p. 138, pl. lxxviii, figs. 2, 3.
Upper Cretaceous (?); New Mexico, U.S.A.
- **striatus**, Newberry in Reynolds, 1869, p. 170 [nomen nudum].
Upper Cretaceous (?); Missouri, U.S.A.
- **ternatus**, Fontaine, 1889, p. 265, pl. cxxxiv, figs. 2-4, 6, 8.
Potomac Formation; Virginia, U.S.A.
- **thulensis**, Heer, 1874 A, p. 89, pl. i, fig. 1 *c*.
Kome Beds; Greenland.
- **vaccinioides**, Hollick, 1906 A, p. 110, pl. vii, figs. 19, 19 *a*.
Middle Cretaceous; Staten Island, U.S.A.
- **virginiensis**, Fontaine, 1889, p. 266, pl. cxxxiv, figs. 11-14; pl. cxxxv, figs. 1, 5; pl. clxviii, fig. 7.
Potomac Formation; Virginia, U.S.A.
- **virginiensis**, Fontaine in Berry, 1905 E, p. 100, pl. lxxviii, fig. 5.
(Re-named *Carpolithus ostryæformis*, Berry, 1905 A.)
- **vyserovicensis**, Bayer, 1899, p. 47, text-fig. 15.
Perucer Beds; Vyserovic, Bohemia.
- **woodbridgensis**, Newberry, 1895, p. 133, pl. xlvi, fig. 22.
Amboy Clay; Woodbridge, U.S.A.
- **sp.**, Dawson, 1893, p. 90, text-fig. 15.
Upper Cretaceous; North-West Territory, Canada.

- Carpolithus** *sp.*, Heer, 1880, p. 8, pl. ii, figs. 10, 11.
Cretaceous; Greenland.
- ? *sp.*, Lesquereux, 1874, p. 114, pl. xxvii, fig. 5; pl. xxx, fig. 11.
Cretaceous; Nebraska, U.S.A.
- *sp.*, Otto, 1854, p. 33, pl. iv, figs. 5, 6. Dippoldswalde, Saxony.
- Cassia** *angusta*, Heer, 1882, p. 101, pl. xxvii, fig. 6. (= *Palæocassia angustifolia*, Ettingshausen, 1867.) Atane Beds; Greenland.
- *antiquorum*, Heer, 1882, p. 101, pl. xxvii, fig. 5. (= *Leguminosites cassiæformis*, Heer, 1874 A.) Atane Beds; Greenland.
- *atavia*, Velenovsky, 1887, p. 6, pl. viii, figs. 3-7, 10.
Cenomanian; Kieslingswalde.
- *Etheridgei*, Ettingshausen, 1893, p. 151; & 1895, p. 51, pl. iv, fig. 16. Cretaceous; Australia.
- *Ettingshauseni*, Heer, 1882, p. 100, pl. xxvi, fig. 8.
Atane Beds; Greenland.
- *melanophylla*, Velenovsky, 1887, p. 5, pl. viii, figs. 1, 2, 8, 9, 11, 12. Perucer Beds; Bohemia.
- *phaseolitoides*, Ettingshausen, 1893, p. 151 [nomen nudum].
Cretaceous; Australia.
- *polita*, Lesquereux, 1892, p. 146. Dakota Group; Kansas, U.S.A.
- *præ-mennonnia*, Ettingshausen, 1893, p. 151; & 1895, p. 51, pl. iv, fig. 15. Cretaceous; Australia.
- *præ-phaseolitoides*, Ettingshausen, 1895, p. 52, pl. iv, fig. 14. (= *Palæocassia phaseolitoides*, Ettingshausen, 1887 A.) Ibid.
- *problematica*, Lesquereux, 1892, p. 146, pl. xxxviii, fig. 3.
Dakota Group; Kansas, U.S.A.
- *sp.*, Hollick, 1906, p. 84, pl. xxxii, fig. 13.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Castalia** ? *duttoniana*, Knowlton, 1900 A, p. 55, pl. xiii, fig. 7.
Montana Formation; Wyoming, U.S.A.
- *Stantoni*, Knowlton in Stanton & Hatcher, 1905, p. 147, pl. xix, fig. 4. Judith River Beds; Montana, U.S.A.
- Castanea** *Hausmanni*, Dunker, 1856, p. 181, pl. xxxiv, fig. 1.
Quadersandstein; Blankenburg, Saxony.
- *sp.*, Dawson, 1887, p. 27, pl. i, fig. 8. Souris River, Canada.
- Casuarina** *Covillei*, Ward, 1895 A, p. 353, pl. iii, fig. 2.
Potomac Formation; Virginia, U.S.A.
- *primæva*, Ettingshausen, 1893, p. 139; & 1895, p. 14, pl. i, figs. 16-20. Cretaceous; Australia.
- Casuarinites** *cretaceus*, Ettingshausen, 1887 A, p. 181, pl. viii, figs. 6-7. Upper Cretaceous; New Zealand.
- Caudex** *spinosus*, Lesquereux, 1883, p. 91. (= *Caulinites spinosa*, Lesquereux, 1873.) Dakota Group; Kansas, U.S.A.
- Caulerpa** *Lehmanni*, Heer, 1877, p. 141, pl. lvii, fig. 11.
Neocomian; Switzerland.
- *sp.*, Lorenz, 1902, p. 23 (56), pl. vii, fig. 3.
Lower Cretaceous; Switzerland.

- Caulerpides bryoides.** (= *Caulerpites bryodes*, Debey & Ettingshausen.)
- Caulerpites articulatus**, Hampe in Stiehler, 1858, p. 56, fig. 3 [nomen nudum]. (= *Delessertites Hampeanus*, Stiehler, 1858.)
- **Brardii**, Sternberg, 1833, p. 23. (= *Fucoides Brardii*, Brongniart, 1828.)
- **Brongniartii**, Debey in Debey & Ettingshausen, 1859 A, p. 203.
Cretaceous; La Rochelle.
- **bryodes**, Debey & Ettingshausen, 1859 A, p. 189, pl. i.
Senonian; Aix, Rhenish Prussia.
- **Diesingii**, Unger, 1850, p. 8; & 1853, p. 77, pl. xxiv, fig. 2.
Cretaceous; Switzerland.
- **Eseri**, Unger, 1850, p. 3; & 1853, p. 77, pl. xxiv, fig. 1.
Cretaceous; Bavaria.
- **incrassatus** (Lesquereux), Knowlton, 1898, p. 61 (re-naming *Delesseria incrassata*, Lesquereux, 1873).
Laramie Formation; New Mexico, U.S.A.
- **lingulatus** (Lesquereux), Knowlton, 1898, p. 61 (re-naming *Delesseria lingulata*, Lesquereux, 1873).
Laramie Formation; New Mexico, U.S.A.
- **montalbanus**, Reuger in Fritsch, 1877, p. 72 [nomen nudum].
Cretaceous; Bohemia.
- **Orbignianus** (Brongniart), Sternberg, 1833, p. 23. (= *Fucoides orbignianus*, Brongniart, 1824.)
Lower Cretaceous; Austria and France.
- **tenuis**, Fischer-Ooster, 1858, p. 32, pl. vii, fig. 5.
Upper Cretaceous; Switzerland.
- Caulinites atavinus**, Heer, 1881, p. 22, pl. xix, fig. 4; pl. xvi, fig. 8 b.
Cretaceous; Portugal.
- **fecunda**, Lesquereux, 1873, p. 384.
Laramie Formation; Colorado, U.S.A.
- **fimbriatus**, Saporta, 1894, p. 97, pl. xvii, figs. 16-17.
Valanginian; Portugal.
- **inquirendus**, Hollick, 1905 c, p. 406, pl. lxx, fig. 3. (= *Onoclea inquirenda*, Hollick, 1906 A.) Cretaceous Clay; Long Island, U.S.A.
- **sparganicoides**, Lesquereux, 1873, p. 391.
Laramie Formation; Wyoming, U.S.A.
- **spinosa**, Lesquereux, 1873, p. 422. (= *Caudex spinosus*, Lesquereux, 1883.)
Dakota Group; Kansas, U.S.A.
- **stigmarioides**, Ettingshausen, 1867 A, p. 248, pl. ii, fig. 1.
(= *Corticites stigmarioides*, Engelhardt, 1892.)
Cenomanian; Niederschoena, Saxony.
- Caulomorpha Heeri**, Saporta, 1894, p. 217, pl. xxxviii, fig. 9.
Cenomanian; Portugal.
- Caulopteris Brownii**, Renault, 1883, p. 73, pl. viii, fig. 10. (Plate descript. gives name *C. Cottaeana*.) Cretaceous; England.
- **Cottaeana**, Renault, 1883, p. 73 (?), pl. viii, fig. 10. (Text descript. gives name *C. Brownii*.) Cretaceous; France(?).

- Caulopteris cretacea**, Stenzel, 1897, p. 17. (= *Protopteris punctata*, Sternberg, *pro parte*.) Senonian; Westphalia.
- **cyatheoides**, Unger, 1867, p. 649, pl. i, figs. 1-3. Neocomian; Austria.
- **Dicksonioides**, Carruthers, 1865, pl. xiii (misprint for *C. punctata*).
- **oppoliensis** (Goeppert), Stenzel, 1897, p. 18. (= *Rhizodendron oppoliense*, Goeppert, 1886.) Cretaceous; Oppeln.
- **punctata**, Goeppert, 1836, p. 449. (= *Protopteris punctata*, Presl in Sternberg, 1838.)
- **Songeri**, Goeppert, 1836, p. 449, pl. xli, fig. 112. (= *Protopteris Songeri*, Presl in Sternberg, 1838.) Cretaceous; Bohemia.
- Ceanothus constrictus**, Hollick, 1906 A, p. 93, pl. xxxiv, figs. 15-17. Middle Cretaceous; Martha's Vineyard, U.S.A.
- **cretaceus**, Dawson, 1883, p. 28, pl. viii, fig. 33. Upper Cretaceous; Vancouver Island, Canada.
- **prodromus**, Heer, 1883 A, p. 41, pl. lxii, fig. 15. Patoot Beds; Greenland.
- **sp. ?**, Hosius & von der Marck, 1880, p. 175, pl. xxxvi, fig. 132. Upper Senonian; Haldem, Westphalia.
- Cedrelospermites venulosus**, Saporta, 1894, p. 98, pl. xvi, fig. 21. Valanginian; Portugal.
- Cedrophloios Bleicheri**, Fliche, 1896, pp. 256-258, pl. xii, fig. 4; pl. xiv, fig. 3. Albian; Vilotte, France.
- Cedroxylon barremianum**, Fliche, 1900, p. 24, pl. ii, fig. 1. Lower Cretaceous; Haute-Marne, France.
- **blevillense**, Lignier, 1907, p. 267, pl. xviii, figs. 15-17; pl. xxi, fig. 66 & diagr.; pl. xxii, fig. 72; pl. xxiii, fig. 87. Albian; Hève, France.
- **Drewi**, Shirley, 1898, p. 13. Upper Cretaceous; Queensland.
- **Gardnienae**, Crié, 1890, p. 236, pl. ii, figs. 1-4. Cenomanian; France.
- **Hoheneggeri**, Felix . . . recorded Liebus, 1901, p. 17, in Peruczer Beds of Bohemia.
- **inæquale**, Reiss, 1907, p. 96, fig. 1 of unnumb. pl. Upper Cretaceous; Japan.
- **manehildense**, Fliche, 1896, p. 247, pl. xc, fig. 3. Cenomanian; Sainte-Menehould, France.
- **Matsumuræ**, Stopes & Fujii, 1910, p. 42, pl. i, fig. 10; pl. iv, figs. 20-23. Upper Cretaceous; Hokkaido, Japan.
- **reticulatum**, Saporta, 1880 (1877), p. 653, pl. iii, fig. 3. Neocomian; France.
- **Ryedalense**, Conwentz, 1892, p. 25, pl. vii, figs. 5-9; pl. viii, fig. 1. Senonian; Sweden.
- **Yendoi**, Stopes & Fujii, 1910, p. 44, pl. iv, figs. 24-26. Upper Cretaceous; Hokkaido, Japan.
- **sp.**, Schenk, 1869, p. 239, pl. iv, figs. 8-9; pl. vii, fig. 2. Wernsdorfer Beds; Austrian Silesia.

- Cedrus Lennieri**, Saporta, 1880 (1877), p. 652, pl. iv, fig. 1.
Upper Neocomian; Havre, France.
- **lotharingica**, Cornuel, 1882, p. 262, pl. vii, figs. 2-3.
Albian; Houppette, France.
- **oblonga** (Lindley & Hutton), Fliche, 1896, p. 200, pl. viii. (= *Abies oblonga*, Lindley & Hutton.)
Albian; France.
- Celastrophyllum acutidens**, Fontaine, 1889, p. 305, pl. clvi, fig. 8.
Potomac Formation; Virginia, U.S.A.
- **albædomus**, Ward, 1905, p. 489, pl. cxiii, fig. 3. Ibid.
- **angustifolium**, Newberry, 1895, p. 100, pl. xiv, figs. 8-17.
Amboy Clay; Woodbridge, U.S.A.
- **arcinerve**, Fontaine, 1889, p. 304, pl. cxlvi, fig. 3.
Potomac Formation; Virginia, U.S.A.
- **australe**, Ettingshausen, 1887 A, p. 188, pl. ix, fig. 14.
Upper Cretaceous; New Zealand.
- **Benedeni**, Saporta & Marion, 1873, p. 67, pl. x, fig. 6; pl. xii, figs. 1-2.
Eocene. (Recorded American Cretaceous. Hollick, 1894 A, p. 58.)
- **Brittonianum**, Hollick in Newberry, 1895, p. 105, pl. xliii, figs. 37, 38, 46, 47.
Amboy Clay; New Jersey (?).
- **brookense**, Fontaine, 1889, p. 305, pl. clviii, fig. 8; pl. clxix, fig. 7.
Potomac Formation; Virginia, U.S.A.
- **crassipes**, Lesquereux, 1892, p. 174, pl. lvii, figs. 6, 7.
Dakota Group; Kansas, U.S.A.
- **crenatum**, Heer, 1883 A, p. 41, pl. lxii, fig. 21.
Patoot Beds; Greenland.
- **cretaceum**, Lesquereux, 1892, p. 173, pl. xxxviii, figs. 12-14.
Dakota Group; Kansas, U.S.A.
- **decurrens**, Lesquereux, 1892, p. 172, pl. xxxvi, fig. 1. Ibid.
- **denticulatum**, Fontaine, 1889, p. 306, pl. clxix, fig. 10; pl. clxxii, fig. 7.
Potomac Formation; Maryland, U.S.A.
- **elegans**, Berry, 1905 E, p. 84, pl. xliii, fig. 6.
Matawan Formation; New Jersey, U.S.A.
- **ensifolium**, Lesquereux, 1874, p. 108, pl. xxi, figs. 2-3.
Dakota Group; Kansas, U.S.A.
- **grandifolium**, Newberry, 1895, p. 104, pl. xix, fig. 8; pl. xxi, figs. 1-4.
Amboy Clay; New Jersey, U.S.A.
- **Hunteri**, Ward, 1895 A, p. 358, pl. iv, fig. 9.
Potomac Formation; Virginia, U.S.A.
- **integrifolium**, Ettingshausen, 1867 A, p. 260, pl. iii, fig. 14.
Cenomanian; Niedersachsen, Saxony.
- **lanceolatum**, Ettingshausen, 1867 A, p. 280, pl. iii, fig. 9. Ibid.
- **latifolium**, Fontaine, 1889, p. 306, pl. clxxii, figs. 3, 6; pl. clxxiii, fig. 13.
Potomac Formation; Maryland, U.S.A.
- **? marylandicum**, Fontaine in Ward, 1905, p. 559, pl. cxvi, fig. 7. Ibid.
- **minus**, Hollick in Newberry, 1895, p. 105, pl. xlii, figs. 51, 52.
Amboy Clay; New Jersey, U.S.A.

- Celastrophyllum myrsinoides**, Lesquereux, 1892, p. 174, pl. lviii, figs. 8, 9. Dakota Group; Kansas, U.S.A.
- **Newberryanum**, Hollick in Newberry, 1895, p. 101, pl. xlix, figs. 1-27. Amboy Clay; Sayreville, U.S.A.
- **obliquum**, Knowlton in Lesquereux, 1892, p. 173, pl. lvii, fig. 5. Dakota Group; Kansas, U.S.A.
- **obovatum**, Fontaine, 1889, p. 307, pl. clxxii, figs. 9, 10. Potomac Formation; Maryland, U.S.A.
- **obtusidens**, Fontaine, 1889, p. 305, pl. clvi, fig. 5. Potomac Formation; Virginia, U.S.A.
- **obtusum**, Heer, 1882, p. 96, pl. xxviii, fig. 15. Atane Beds; Greenland.
- **proteoides**, Fontaine, 1889, p. 304, pl. cxlvi, fig. 5. Potomac Formation; Virginia, U.S.A.
- **pulchrum**, Ward, 1899, p. 706, pl. clxxi, figs. 3, 4. Dakota Group; Black Hills, U.S.A.
- **robustum**, Newberry, 1895, p. 103, pl. xlii, figs. 41, 42. Amboy Clay; New Jersey, U.S.A.
- ? **saliciforme**, Ward, 1905, p. 494, pl. cviii, fig. 7. Older Potomac Formation; Virginia, U.S.A.
- **serratum**, Saporta & Marion, recorded Heer, 1883 A, p. 41, pl. lxxv, fig. 6. Patoot Beds; Greenland.
- **spatulatum**, Newberry, 1895, p. 103, pl. xlii, figs. 43-45. Amboy Clay; New Jersey, U.S.A.
- **tenuinerve**, Fontaine, 1889, p. 306, pl. clxxii, fig. 2. Potomac Formation; Maryland, U.S.A.
- **undulatum**, Newberry, 1895, p. 102, pl. xxxviii, figs. 1-3. Amboy Clay; New Jersey, U.S.A.
- Celastrus arctica**, Heer, 1883 A, p. 40, pl. lxi, figs. 5 d, 5 e. Patoot Beds; Greenland.
- ? **sp.**, Hollick, 1893, p. 38, pl. i, fig. 4. Raritan Formation; Staten Island, U.S.A.
- Celtidophyllum cretaceum**, Krasser, 1896, pl. xvi, figs. 8, 9, 10. Cenomanian; Kunstadt, Moravia.
- **cretaceum integrifolia**, Krasser, 1896, p. 116, pl. xvi, figs. 12-14. Ibid.
- **præaustrale**, Krasser, 1896, p. 130, pl. xvi, figs. 8-14. Ibid.
- Celtiophyllum cretaceum**, Krasser, 1889, p. 34 [nomen nudum]. Ibid.
- Celtis ? ovata**, Lesquereux, 1874, p. 66, pl. iv, figs. 2-3. (= *Populites ovata*, Lesquereux, 1868, & *Ampelophyllum ovatum*, Lesquereux, 1876 B.) Dakota Group; Nebraska, U.S.A.
- Cephalotaxites insignis**, Heer, 1883 A, p. 10, pl. liii, fig. 12. Patoot Beds; Greenland.
- Cephalotaxopsis brevifolia**, Fontaine, 1889, p. 238, pl. lv, fig. 3; pl. cvi, fig. 3; pl. cvii, fig. 5. Potomac Formation; Virginia, U.S.A.

- Cephalotaxopsis magnifolia**, Fontaine, 1889, p. 236, pl. civ, figs. 4, 5; pl. cv, figs. 1, 2, 4; pl. cvi, figs. 1, 3; pl. cvii, figs. 1, 2, 4; pl. cviii, figs. 1, 3, 4. Potomac Formation; Virginia, U.S.A.
- **microphylla**, Fontaine, 1889, p. 238, pl. cviii, fig. 5; pl. cix, fig. 9. Ibid.
- **ramosa**, Fontaine, 1889, p. 237, pl. civ, figs. 2, 3; pl. cvi, figs. 2, 4; pl. cvii, fig. 3; pl. cviii, fig. 2. Ibid.
- ? **rhytidodes**, Ward, 1905, p. 258, pl. lxxviii, fig. 8. Shasta Formation; California, U.S.A.
- **sp.**, Dawson, 1893, p. 89. Kootanie Formation; British Columbia.
- **sp.**, Fontaine in Diller & Stanton, 1894, p. 450. Knoxville Beds; California, U.S.A.
- Cephalotaxospermum carolinianum**, Berry, 1910 A, p. 187. Middle Cretaceous; North Carolina, U.S.A.
- Cerasus meridionalis**, Eichwald, 1865, p. 67, pl. iii, fig. 23. Russia.
- Ceratopetalum primigenium**, Ettingshausen, 1893, p. 138, & p. 150; & 1895, p. 44, pl. iv, fig. 5. Cretaceous; Australia.
- **rivulare**, Ettingshausen, 1887 A, p. 186, pl. ix, figs. 15–16. Upper Cretaceous; New Zealand.
- Ceratophyllum australe**, Ettingshausen, 1893, p. 147; & 1895, p. 14, pl. i, figs. 14–15. Cretaceous; Australia.
- **rivulare**, Crié, 1889, p. 9 [nomen nudum]. Cretaceous; New Zealand.
- Ceratostrobos echinatus**, Velenovsky, 1885, p. 25, pl. xi, figs. 7–15; pl. xiii, fig. 5. Perucér Beds; Bohemia.
- **formosus** (Heer), Schulze, 1888, p. 18. (= *Geinitzia formosa*, Heer.) Senonian; Altenburg.
- **sequoiæphyllum**, Velenovsky, 1885, p. 24, pl. xii, figs. 14–16. Perucér Beds; Bohemia.
- **strictus**, Schulze, 1888, p. 19 [nomen nudum]. (= *Geinitzia cretacea*, Schimper.) Senonian; Altenburg.
- Cercis eocenica**, Lesquereux, 1873, p. 384. Laramie Formation (?); Colorado, U.S.A.
- Cercospora corioccum**, Bayer, 1899, pp. 3, 4, text-figs. 1, 1 a, 2. Perucér Beds; Bohemia.
- Cesalpinites marticensis**, Marion, 1890, p. 1054 [nomen nudum]. Turonian; Martiques, France.
- Chamæcyparites Charonis**, Velenovsky, 1889, p. 12, pl. iii, figs. 3–6; pl. ii, fig. 9. Cenomanian; Bohemia.
- Changarniera dubia**, Saporta, 1894, p. 110, pl. xx, figs. 13–14. Lower Cretaceous (?); Portugal.
- Chara acanthica**, Stache, 1880, p. 199 [nomen nudum]. (= *Kosmogyracanthica*, Stache, 1889.) Upper Cretaceous; Corgnale.
- **carinata**, Stache, 1880, p. 198 [nomen nudum]. (= *Kosmogyracarinata*, Stache, 1889.) Liburnian (Upper Cretaceous); Cosina.
- **cingulata**, Stache, 1880, p. 198 [nomen nudum]. (= *Kosmogyracingulata*, Stache, 1889.) Ibid.

- Chara cosinensis**, Stache, 1880, p. 198 [nomen nudum]. (= *Nitella cosinensis*, Stache, 1889.) Liburnian (Upper Cretaceous); Cosina.
- **dolium**, Stache, 1880, p. 199 [nomen nudum]. (= *Cristatella dolium*, Stache, 1889.) Upper Cretaceous (?); Corgnale.
- **guttifera**, Stache, 1880, p. 199 [nomen nudum]. (= *Kosmogrya guttifera*, Stache, 1889.) Ibid.
- **liburnica**, Stache, 1880, p. 198 [nomen nudum]. (= *Lagynophora liburnica*, Stache, 1889.) Upper Cretaceous (?); Cosina.
- **ornata**, Stache, 1880, p. 199 [nomen nudum]. (= *Kosmogrya ornata*, Stache, 1889.) Ibid.
- **perarmata**, Stache, 1880, p. 199 [nomen nudum]. (= *Kosmogrya perarmata*, Stache, 1889.) Upper Cretaceous (?); Corgnale.
- **polonica**, Unger, 1860, p. 3, pl. ii, figs. 1-4. Cretaceous (?); Galicia.
- **robusta**, Stache, 1880, p. 179 [nomen nudum]. (= *Nitella robusta*, Stache, 1889.) Upper Cretaceous; Cosina.
- **Stacheana**, Unger, 1860, p. 3, pl. i, figs. 1-4. Ibid.
- **Stantoni**, Knowlton, 1893 A, p. 141, text-figs. 1-3. Bear River Formation; Wyoming, U.S.A.
- **superba**, Stache, 1880, p. 199 [nomen nudum]. (= *Kosmogrya superba*, Stache, 1889.) Upper Cretaceous (?); Divacea.
- Cheilanthites Mantelli**, Goeppert, 1836, p. 231. (= *Sphenopteris Mantelli*, Brongniart, 1828.) Tilgate Sands; Sussex.
- Cheirolepis Choffati**, Saporta, 1890 A, p. 814; & 1894, p. 90, pl. xvii, figs. 4-9. Valanginian; Portugal.
- Chiropteris elongata**, Rossmässler, MS., in Cotta, 1836, p. 585. Cenomanian; Niederschoena, Saxony.
- **obtusata**, Rossmässler, MS., in Cotta, 1836, p. 585. Ibid.
- **Reichii**, Bronn, 1837, pl. xxviii, fig. 1. (= *Halyserites Reichii*, Sternberg.) Ibid.
- **spatulata**, Newberry, 1891, p. 199, pl. xiv, figs. 1, 2. (= *Sagcnopteris*?, Seward, 1910, p. 431.) Kootanie Formation; Montana, U.S.A.
- **Williamsii**, Newberry, 1891, p. 198, pl. xiv, figs. 10, 11. Kootanie Formation; Montana, U.S.A.
- Choffatia Francheti**, Saporta, 1894, p. 150, pl. xxiv, fig. 8; pl. xxvi, figs. 19-22. Urgonian; Portugal.
- Chondrites æqualis**, Sternberg, 1833, p. 26. (= *Fucoides æqualis*, Brongniart, 1824.)
- **aragonensis**, Saporta, 1891 A, p. 312, pl. cclxxv, fig. 1. Cretaceous; Aragon, France.
- **assimilis**, Saporta, 1891 A, p. 312, pl. cclxxv, fig. 2. Cretaceous; France.
- **bignoriensis**, Mantell, 1854, p. 102, text-fig. 9. Chalk; Sussex.
- **Bosqueti**, Miquel, 1853, p. 54, pl. vi, fig. 4. Senonian; Belgium.
- **bulbosus**, Lesquereux, 1873, p. 373; & 1878, p. 42, pl. i, fig. 14. Laramie Formation; New Mexico.

- Chondrites cretaceus**, Presl in Sternberg, 1838, p. 103, pl. xxxiv, fig. 3. Cretaceous (?); Swabian Alps.
- **dichotomus**, Feistmantel, 1874, p. 266. Perucur Beds; Bohemia.
- **difformis** (Brongniart), Sternberg, 1833, p. 26. (= *Fucoides difformis*, Brongniart, 1824.)
- **divaricatus**, Debey & Ettingshausen (*non* Fischer-Ooster), 1859 A, p. 194, pl. ii, fig. 6 b. Senonian; Aix, Rhenish Prussia.
- **elegans**, Debey & Ettingshausen, 1859 A, p. 195, pl. ii, figs. 9-10. Ibid.
- **fastigiatus**, Sternberg, 1833, p. 25. (= section of *Fucoides Targionii*.) Recorded from Lower and Upper Greensand of Sussex by Mantell, etc.
- **filiciformis**, Lesquereux, 1889, p. 32, pl. xvi, fig. 1. Neocomian; Alaska.
- **flexuosus**, Newberry, 1895, p. 34, pl. i, figs. 1-4. Amboy Clay; New Jersey, U.S.A.
- **furcatus**, Sternberg, 1833, p. 27. (= *Fucoides furcatus*, Brongniart, 1824.)
- **furcillatus**, Roemer (*non* Schinallhausen), 1841, p. 1, pl. i, figs. 1, a, b. Quadersandstein; Saxony.
- **furcillatus latior**, von der Marck, 1864, p. 82, pl. xiii, fig. 14. Upper Senonian; Westphalia.
- **fusiformis**, Fischer-Ooster, 1858, p. 53, pl. iv, fig. 3. Lower Cretaceous; Switzerland.
- **intricatus**, Sternberg, 1833, p. 26, as *Chondrides intricatus*, in Schimper, 1874, pl. iii, figs. 4-9. (= *Fucoides intricatus*, Brongniart.) Upper Cretaceous; Westphalia, etc.
- **jugiformis**, Debey & Ettingshausen, 1859 A, p. 193, pl. i, figs. 8-9. Senonian; Aix, Rhenish Prussia.
- **longissimus**, Gümbel, 1861, p. 567. Turonian; Bavaria.
- **Mantelli**, Geinitz, 1850 A, p. 266. (= *Sphærococcites Mantelli*, Roemer, 1841.) Quadersandstein; Germany.
- **neocomensis**, Heer, 1877, p. 142, pl. lviii, figs. 1-7. Neocomian; Switzerland.
- **polymorphus**, Hosius & von der Marck, 1880, p. 131, pl. xxiv, fig. 3. Upper Senonian; Westphalia.
- **rectangularis**, Gümbel, 1861, p. 563. Neocomian; Bavaria.
- **recurvus**, Sternberg, 1833, p. 26. (= *Fucoides recurvus*, Brongniart, 1824.)
- **Riemsdyki**, Miquel, 1853, p. 55. Senonian; Belgium.
- **rigidus**, Debey & Ettingshausen, 1859 A, p. 197, pl. iii, figs. 8, 15-17. Senonian; Aix, Rhenish Prussia.
- **robionensis**, Saporta & Marion, 1881, p. 94, text-fig. 30. Neocomian; France.
- **serpentinus**, Heer, 1865, p. 190, text-fig. 99; & 1877, p. 142, pl. lvii, figs. 4, 5; pl. lviii, fig. 8. Neocomian; Switzerland.
- **subcurvatus**, Hosius & von der Marck, 1880, p. 131, pl. xxiv, fig. 4. Upper Senonian; Westphalia.

- Chondrites subintricatus**, Debey & Ettingshausen, 1859 A, p. 196,
pl. ii, fig. 8. Senonian; Aix, Rhenish Prussia.
- **subsimpler**, Lesquereux, 1878 B, p. 41, pl. i, fig. 13.
Laramie Formation; New Mexico.
- **subverticillatus**, Presl in Sternberg, 1838, p. 104, pl. xxviii, fig. 1;
pl. lxxv, fig. 34. Upper Cretaceous; Westphalia.
- **Targionii** (Br.), Sternberg, 1838, p. 25, pl. ix, fig. 3. (= *Fucoides*
Targionii, Brongniart, 1828.) Greensand; France.
- **Thierensi** (Bosq.), Hosius & von der Marck, 1880, p. 177, pl. xxxvi,
fig. 136 a. (= *Delesseriites Thierensi*, Miquel.)
Lower Senonian; Westphalia.
- **vagus**, Debey & Ettingshausen, 1859 A, p. 196.
Senonian; Aix, Rhenish Prussia.
- **sp.**, Otto, 1854, p. 13, pl. ii, fig. 3. Quadersandstein; Saxony.
- Chondrophyllum cretaceum**, Debey, 1848 A, p. 117.
Senonian; Aix, Rhenish Prussia.
- **grandidentatum**, Heer, 1869 A, p. 19, pl. xi, fig. 6.
Cenomanian; Moletuin, Moravia.
- **hederæforme**, Heer, 1871 A, p. 13, pl. iii, figs. 9, 11 b, 2 d.
Senonian; Quedlinburg, Saxony.
- **Nordenskiöldi**, Heer, 1871 A, p. 1183; & 1874 A, p. 114, pl. xxxii,
figs. 11, 12; pl. xxx, fig. 4 b. (Re-named *Pistia Nordenskiöldi* by
Berry, 1910 A.) Atane Beds; Greenland.
- **obovatum**, Newberry, 1895, p. 118, pl. xlii, figs. 26, 27.
Amboy Clay; Woodbridge, U.S.A.
- **orbiculatum**, Heer, 1874 A, p. 115, pl. xxxi, fig. 3 c; pl. xxxii,
fig. 13. Atane Beds; Greenland.
- **reticulatum**, Hollick in Newberry, 1895, p. 119, pl. xli, figs. 6, 7.
Amboy Clay; New Jersey (?), U.S.A.
- **tricuspe**, Schulze, 1888, p. 458.
Cretaceous; Quedlinburg, Saxony.
- Chondrophyton dissectum**, Saporta & Marion, 1885, p. 120, text-
fig. 126. Turonian; France.
- **laceratum**, Saporta, 1894, p. 219, pl. xxxviii, figs. 4–5.
Cenomanian; Portugal.
- **obscuratum**, Saporta, 1894, p. 220, pl. xxxix, fig. 24. Ibid.
- Chonophyllum cretaceum**, Debey, 1848 A, p. 117 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **Velenovskyi**, Engelhardt, 1892 A, p. 89, pl. ii, fig. 15.
Quadersandstein; Freiburg, Saxony.
- Cinchona rectinervis**, Velenovsky, 1882 A, p. 213 [nomen nudum].
Cretaceous; Bohemia.
- Cinnamomum affine**, Lesquereux, 1868, p. 206.
Laramie Formation; Colorado.
- **canadense**, Dawson, 1886, p. 13, pl. iv, fig. 7.
Mill Creek Series; Mill Creek, Canada.

- Cinnamomum crassipetiolatum**, Hollick, 1906 A, p. 74, pl. xxx, figs. 3, 4. Middle Cretaceous; Long Island, U.S.A.
- **ellipsoideum**, Saporta & Marion.
(Recorded Heer, 1883 A, from Patoot Beds of Greenland.)
- **ellipticum**, Knowlton in Weed & Knowlton, 1893, p. 54.
Laramie Formation; Montana, U.S.A.
- **Haastii**, Ettingshausen, 1887 A, p. 185, pl. ix, fig. 11.
Upper Cretaceous; New Zealand.
- **Heerii**, Lesquereux, 1859, p. 361; & 1869, p. 431, pl. xxiii, fig. 12.
(= *Daphnogene Heerii*, Lesquereux, 1876 B.)
Dakota Group; Kansas, U.S.A.
- **intermedium**, Newberry (*non* Ettingshausen), 1895, p. 83, pl. xxix, figs. 1-8, 10. Amboy Clay; Woodbridge, U.S.A.
- **intermedium**, Newberry, 1896, pl. xxix, figs. 1-8, 10.
Amboy Clay; New Jersey, U.S.A.
- **Marioni**, Lesquereux, 1892, p. 106, pl. li, figs. 6, 7.
Dakota Group; Kansas, U.S.A.
- **membranaceum** (Lesquereux), Hollick, 1906 A, p. 75, pl. xxix, figs. 5, 6. Middle Cretaceous; Long Island, U.S.A.
- **personatum**, Bayer, 1896, p. 21, text-fig. 6, & p. 35.
Upper Senonian; Kieslingwalde, Bohemia.
- **primigenium**, Ettingshausen, 1895, p. 24, pl. iii, fig. 1.
Cretaceous; Australia.
- **Scheuchzeri**, Heer, recorded by Lesquereux, 1874, p. 23, pl. xxx, figs. 2, 3. Dakota Group; Kansas, U.S.A.
(Originally described from Tertiary.)
- **sezannense**, Watelet, 1866, p. 175, pl. I, fig. 2.
Tertiary; Sezanne. (Recorded Lesquereux, 1891, from Dakota.)
- ? **Stantoni**, Knowlton, 1900 A, p. 60, pl. xv, fig. 1.
Montana Formation; Utah, U.S.A.
- **sp.**, Hollick, 1906 A, p. 75, pl. xxx, fig. 7.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Cissites acerifolius**, Lesquereux, 1892, p. 163, pl. lviii, fig. 1.
Dakota Group; Kansas, U.S.A.
- **acuminatus**, Lesquereux, 1876 A, p. 396; & 1876 B, p. 353, pl. viii, fig. 1. Ibid.
- **acutiloba**, Hollick, 1895, p. 227, pl. ccxxxvii, fig. 3. Ibid.
- **affinis**, Lesquereux, 1876 B, p. 352. (= *Platanus affinis*, Lx. 1874.) Ibid.
- **affinis ampla** (Dr.), Knowlton, 1898, p. 70 (re-naming *Platanus affinis ampla*, Dawson). Mill Creek Series; Mill Creek, Canada.
- **alatus**, Lesquereux, 1892, p. 160, pl. xviii, fig. 6.
Dakota Group; Kansas, U.S.A.
- **Brownii**, Lesquereux, 1892, p. 162, pl. xviii, fig. 11. Ibid.
- **crispus**, Velenovsky, 1887, p. 12 (73), pl. iv (xxvii), fig. 3.
Cenomanian; Bohemia.
- **cyclophylla**, Lesquereux, 1876 A, p. 353. (= *Populites cyclophylla*, Hr.)
Dakota Group; Minnesota, U.S.A.

- Cissites dentato-lobatus**, Lesquereux, 1892, p. 164, pl. lxvi, fig. 4.
Dakota Group; Kansas, U.S.A.
- **formosus**, Heer, 1882, p. 85, pl. xxi, figs. 5-8.
Atane Beds; Greenland.
- **formosus magothiensis**, Berry, 1910 II, p. 25.
Magothy Formation; Maryland, U.S.A.
- **Harkerianus**, Lesquereux, 1876 A, p. 397; & 1883 A, p. 67,
pl. iii, figs. 3, 4. (= *Sassafras harkeriana*, Lx., 1873, & *Sassafras*
(*Araliopsis*) *harkerianum*, Lx., 1874.)
Dakota Group; Kansas, U.S.A.
- **Heerii**, Lesquereux, 1876 A, p. 396; & 1876 B, p. 353, pl. vi, fig. 3.
Ibid.
- **ingens**, Lesquereux, 1892, p. 159, pl. xix, figs. 2, 2 a. Ibid.
- **ingens**, var. **parvifolia**, Lesquereux, 1892, p. 160, pl. lvii, figs. 3, 4.
Ibid.
- **insignis**, Heer in Capellini & Heer, 1867, p. 19, pl. ii, figs. 3, 4.
Dakota Group; Nebraska, U.S.A.
- **lobato-crenata** (Lesquereux), Knowlton in Stanton & Knowlton,
1897, p. 145. Wyoming, U.S.A.
- **obtusilobus**, Lesquereux (*non* Saporta), 1892, p. 161, pl. xxxiii,
fig. 5. Dakota Group; Kansas, U.S.A.
- **obtusilobus**, Saporta (*non* Lesquereux), 1894, p. 190, pl. xxxiv,
figs. 12-13. Albian; Portugal.
- **obtusum**, Lesquereux, 1876 B, p. 354. (= *Sassafras obtusum*,
Lesquereux, 1872.) Dakota Group; Kansas, U.S.A.
- **platanoides**, Hollick, 1895 D, p. 226, pl. cccxxvii, fig. 2. Ibid.
- **populoides**, Lesquereux, 1892, p. 162, pl. xviii, figs. 12-14. Ibid.
- **salisburiaefolius**, Lesquereux, 1883, p. 66. (= *Populites salisburiaefolius*,
Lx., 1868.) Dakota Group; Kansas, U.S.A.
- **sinuosus**, Saporta, 1894, p. 190, pl. xxxiv, fig. 11. Albian; Portugal.
- **vitifolia**, Velenovsky, 1882, p. 214 [nomen nudum]. (= *Cissus*
vitifolia, Velenovsky.) Cenomanian; Bohemia.
- Cissophyllum exulum**, Velenovsky, 1889, p. 24, pl. vi, figs. 4, 5
(= *Premnophyllum exulum*, Velenovsky.) Ibid.
- **vitifolium**, Velenovsky, 1882 A, p. 214; & 1889, p. 25. (= *Cissus*
vitifolium, Velenovsky.) Ibid.
- Cissus Browniana**, Lesquereux in Winchell, 1885, p. 77; & 1895,
p. 17, pl. A, fig. 8. Dakota Group; Minnesota, U.S.A.
- **lobato crenatus**, Lesquereux, 1873, p. 396; & 1878 B, p. 240,
pl. xli, figs. 1-3. Laramie Formation; Wyoming.
- **vitifolia**, Velenovsky, 1886, p. 8 (55), pl. ii (xvii), fig. 6; pl. iii
(xviii), fig. 1. Cenomanian; Bohemia.
- Citrophyllum aligerum** (Lesquereux), Berry, 1909, p. 258, pl. xviii A,
figs. 1-8. (= *Ficus aligera*, Lesquereux.)
Raritan Formation; New Jersey, U.S.A.
- Cladophlebis acuta**, Fontaine, 1889, p. 74, pl. v, fig. 7; pl. vii, fig. 6;
pl. x, figs. 6, 7; pl. xi, figs. 7, 8; pl. clxvi, fig. 5.
Potomac Formation; Virginia, U.S.A.

- Cladophlebis acuta**, var. **angustifolia**, Fontaine in Ward, 1905, p. 539, pl. cxiv, fig. 5. Older Potomac Formation; Maryland, U.S.A.
- **alata**, Fontaine, 1889, p. 77, pl. xix, fig. 5. Potomac Formation; Virginia, U.S.A.
- **angustifolia**, Newberry, 1891, p. 200, pl. xiv, fig. 8. Kootanie Formation; Montana, U.S.A.
- **argutidens**, Saporta, 1894, p. 74, pl. xviii, figs. 10-12. Valanginian; Portugal.
- **brevipennis**, Fontaine, 1889, p. 81, pl. xxxvi, fig. 1. Potomac Formation; Virginia, U.S.A.
- **Browniana** (Dunker), Seward, 1894 A, p. 99. Wealden. Recorded from American Lower Cretaceous, see Fontaine in Ward, 1905, p. 226, pl. lxxv, fig. 9, & others.
- **columbiana**, Dawson, 1894, p. 55, pl. v, figs. 4, 5. Upper Cretaceous; Vancouver Island, Canada.
- **confusior**, Saporta, 1894, p. 166, pl. xlv, fig. 6; pl. xxxi, figs. 8-9. Albian; Portugal.
- **constricta**, Fontaine, 1889, p. 68, pl. ii, fig. 11; pl. iii, fig. 2; pl. vi, figs. 5, 6, 8-14; pl. xxi, figs. 9, 13; pl. clxix, fig. 2. Potomac Formation; Virginia and Maryland, U.S.A.
- **crenata**, Fontaine, 1889, p. 75, pl. ix, figs. 7-9; pl. x, figs. 1, 2; pl. xiv, figs. 1-3; pl. xix, fig. 1; pl. xx, fig. 6. Potomac Formation; Virginia, U.S.A.
- **denticulata** (Heer), Fontaine (*non* Brongniart), 1889, p. 71, pl. iv, fig. 2; pl. vii, fig. 7. Ibid.
- **derelicta**, Saporta, 1894, p. 77, pl. xv, fig. 2; pl. xvi, fig. 9. Valanginian; Portugal.
- **distans**, Fontaine, 1889, p. 77, pl. xiii, figs. 4, 5. Potomac Formation; Virginia, U.S.A.
- **Dunkeri** (Schimper), Seward, 1894 A, p. 100. (= *Pecopteris Dunkeri*, Schimper.)
- **falcata**, Fontaine, 1889, p. 72, pl. iv, fig. 8; pl. v, figs. 1-6; pl. vi, fig. 7; pl. vii, figs. 1, 2. Potomac Formation; Virginia, U.S.A.
- **falcata montanensis**, Fontaine in Ward, 1905, p. 291, pl. lxxi, figs. 14-20. (Re-naming *Thinnfeldia montanensis*, Fontaine.) Kootanie Formation; Montana, U.S.A.
- **Fisheri**, Knowlton, 1907, p. 109, pl. xi, figs. 2, 2 A. Ibid.
- **fissipennis**, Saporta, 1894, p. 77, pl. xvi, fig. 5. Valanginian; Portugal.
- **heterophylla**, Fontaine, 1893, p. 493, pl. lxxxiv, fig. 2. Kootanie Formation; Montana, U.S.A.
- **inæquiloba**, Fontaine, 1889, p. 80, pl. xxv, fig. 8. Potomac Formation; Virginia, U.S.A.
- **inclinata**, Fontaine, 1889, p. 76, pl. x, figs. 3, 4; pl. xx, fig. 8. Ibid.
- **latifolia**, Fontaine, 1889, p. 69, pl. iii, fig. 1; pl. vi, fig. 4. Ibid.
- **Limai**, Saporta, 1894, p. 165, pl. xxix, fig. 8. Albian; Portugal.

- Cladophlebis minutissima**, Saporta, 1894, p. 77, pl. xv, fig. 26;
pl. xvi, fig. 19c. Valanginian; Portugal.
- **Nathorsti**, Yokoyama, 1894, p. 220, pl. xxviii, figs. 3, 4, 10, 11.
Neocomian; Japan.
- **oblongifolia**, Fontaine, 1889, p. 74, pl. vii, figs. 3-5.
Potomac Formation; Virginia, U.S.A.
- **obtusiloba**, Saporta, 1894, p. 166, pl. xxix, fig. 9.
Albian; Portugal.
- **pachyphylla**, Fontaine, 1889, p. 80, pl. xxv, fig. 9.
Potomac Formation; Virginia, U.S.A.
- **parva**, Fontaine, 1889, p. 73, pl. iv, fig. 7; pl. vi, figs. 1-3. Ibid.
- **petiolata**, Fontaine, 1889, p. 80, pl. xxii, fig. 8. Ibid.
- **rotundata**, Fontaine, 1889, p. 78, pl. xx, figs. 9-10. Ibid.
- **sinuatiloba**, Saporta, 1894, p. 76, pl. xvi, figs. 1-2.
Valanginian; Portugal.
- **skagitensis**, Penhallow, 1907, p. 306, text-fig. 2.
Cretaceous; British Columbia.
- **sphenopteroides**, Fontaine, 1889, p. 79, pl. xxi, fig. 4.
Potomac Formation; Virginia, U.S.A.
- **sulcycadina**, Saporta, 1890 A, p. 1814; & 1894, p. 75, pl. xvii,
fig. 18. Valanginian; Portugal.
- **Ungeri** (Dunker), Ward, 1905, p. 228, pl. lxxv, figs. 15-16.
(= *Pecopteris Ungeri*, Dunker.)
Shasta Formation; California, U.S.A.
- **virginiensis**, Fontaine, 1889, p. 70, pl. iii, figs. 3-8; pl. iv, figs. 1,
3-6. Potomac Formation; Virginia, U.S.A.
- **wyomingensis**, Fontaine in Ward, 1899 B, p. 656, pl. clx, figs. 16,
17. Lower Cretaceous; Black Hills, U.S.A.
- **sp.**, Dawson, 1893, p. 85.
Kootanie Formation; British N.W. Territory, Canada.
- **sp. ?**, Fontaine, 1889, p. 76, pl. x, figs. 5, 8; pl. xx, fig. 7.
Potomac Formation; Virginia, U.S.A.
- Clathraria ? galtiana**, Hosius & von der Marck, 1880, p. 202, pl. lxii,
fig. 180. Lower Gault; Westphalia.
- **Lyellii**, Mantell, 1827, p. 52, pl. i, figs. 1, 2, 7; pl. ii, figs. 1, 2, 3;
pl. iii, fig. 8; pl. iii, fig. 4.
Wealden; Sussex. (Recorded from Chalk Marl, Isle of
Wight, Mantell, 1847, pp. 295 & 297 text-fig.)
- **Schachtii** (Coemans), Schimper, 1870. (= *Cycadeoidea Schachtii*,
Capellini & Solms, 1892.) Gault; Belgium.
- Clathropodium foratum**, Saporta, 1875, p. 297, pl. cxxiv, figs. 1, 2.
(= *Cycadeoidea forata*, Saporta in Capellini & Solms, 1892.)
Recorded from Gault; Havre (first described from Jurassic).
- **sp.**, Yokoyama, 1906, p. 37, pl. xii, fig. 2.
Lower Cretaceous; China.
- Clathropteris egyptiaca**, Seward, 1907, p. 253, text-fig. 1.
Jurassic?; Egypt.
(Shown by Newton 1909 to be Senonian.)

- Coccoloba lævigata**, Lesquereux, 1873, p. 387; & 1878 B, p. 208,
pl. xxxv, fig. 7. Wyoming, U.S.A.
- Cocculites imperfectus**, Hollick, 1906 A, p. 63, pl. xii, fig. 14.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **inquirendus**, Hollick, 1906 A, p. 63, pl. xii, fig. 13.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Cocculus cercifolius**, Saporta, 1890 B, p. 182 [nomen nudum].
Lower Cretaceous; Bagnols, France.
- **cinnamomeus**, Velenovsky, 1887, p. 4 (65), pl. viii (xxxi), figs. 16–21.
Perucer Beds; Lipenec, Bohemia.
- **extinctus**, Velenovsky, 1887, p. 3 (64), pl. vi (xxix), figs. 1, 3.
Cenomanian; Silesia.
- **minutus**, Hollick, 1905 C, p. 407, pl. lxx, fig. 6.
Cretaceous Clay; Long Island, U.S.A.
- **princeps**, Saporta, 1890 B, p. 182 [nomen nudum].
Lower Cretaceous; Bagnols, France.
- Cocoopsis ovata**, Fliche, 1896, p. 273, pl. xiii, figs. 3, 4; pl. xvii, fig. 3.
Lower Cenomanian; Sainte-Menheould, France.
- **Zeilleri**, Fliche, 1896, p. 271, pl. xii, figs. 5, 6; pl. xiii, figs. 1, 2.
Lower Cenomanian; Argers, France.
- Codites idicensis**, Squinabol, 1890, p. 185, pl. viii, fig. 3.
Cretaceous (?); Italy.
- **neocomiensis**, Saporta & Marion, 1881, p. 96, text-fig. 31.
Neocomian; France.
- Colutea coronilloides**, Heer, 1882, p. 100. (= *Leguminosites coronil-*
loides, Heer, 1874.) Atane Beds; Greenland.
- **Langeana**, Heer, 1882, p. 100, pl. xl, fig. 7 B. Ibid.
- **obovata**, Berry, 1906 B, p. 175, pl. viii, figs. 5–6.
Magothy Formation; Maryland, U.S.A.
- **primordialis**, Heer, 1882, p. 99, pl. xxvii, figs. 7–11; pl. xliii,
figs. 7–8. Atane Beds; Greenland.
- **protogæa**, Heer, 1883 A, p. 43, pl. lxi, fig. 1 c; pl. lxii, fig. 1 c.
Patoot Beds; Greenland.
- **valde inæqualis**, Heer, 1882, p. 100, pl. xxvii, figs. 12–13.
Atane Beds; Greenland.
- Combretiphyllum acuminatum**, Menzel, 1909, p. 402, pl. ii, fig. 7.
Senonian; Kamerun.
- Compteroneura paradoxa**, Debey, 1850, p. 117 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **truncata**, Debey, 1850, p. 117 [nomen nudum]. Ibid.
- Comptonia? antiqua**, Nilsson, 1832, p. 346, pl. i, fig. 8. (= *Dryandra*
antiqua, Ettingshausen, 1851, = *Comptonites antiquus*, Unger, 1865.)
Greensand; Sweden.
- **microphylla** (Heer), Berry, 1906 A (re-naming *Rhus microphylla*,
Heer, 1874 A, & others.)
- **tenera**, Hosius & von der Marck, 1885, p. 227, pl. xix, figs. 3–4.
Upper Senonian; Westphalia.

- Comptoniopteris cercalina**, Saporta, 1894, p. 129, pl. xxvi, fig. 24.
 Urgonian; Portugal.
- **intermedia**, Marion, 1890, p. 1053. Turonian; Martigues, France.
- **provincialis**, Marion, 1890, p. 1053. Ibid.
- **Saportæ**, Marion, 1890, p. 1053. Ibid.
- **Vasseuri**, Marion, 1890, p. 1053. Ibid.
- Comptonites antiquus** (Nilsen), Hisinger, 1837, p. 111, pl. xxxiv, fig. 7; & Unger, 1865, p. 374, pl. i, fig. 1. (= *Comptonia antiqua*, Wilson, 1832, = *Dryandra antiqua*, Ettingshausen, 1851.)
 Greensand; Sweden.
- Confervites? ægagropiloides**, Brongniart, 1828, p. 36, pl. i, figs. 4, 5.
 Cretaceous; Denmark.
- **aquensis**, Debey & Ettingshausen, 1859 A, p. 187, pl. i, fig. 4.
 Senonian; Aix, Rhenish Prussia.
- **Brardii** (Sternberg), Debey, 1848 A, p. 114.
 Cretaceous; La Rochelle, France.
- **cæspitosus**, Debey & Ettingshausen, 1859 A, p. 188, pl. i, figs. 10–12.
 Senonian; Aix, Rhenish Prussia.
- **dubius**, Berry, 1903 c, p. 677, text-fig. 9, p. 678.
 Matawan Formation; New Jersey, U.S.A.
- **fasciculata**, Brongniart, 1828, p. 35, pl. i, figs. 1–3.
 Cretaceous; Denmark.
- **orbigniana** (Sternberg), Debey, 1848 A, p. 114.
 Cretaceous; La Rochelle, France.
- **ramosus**, Debey & Ettingshausen, 1859 A, p. 188, pl. i, fig. 9.
 Senonian; Aix, Rhenish Prussia.
- **Woodwardii**, Mantell, 1844, p. 104, text-fig. 4. Chalk; Norfolk.
- Coniferocaulon colymbæforme**, Fliche, 1900, p. 16.
 Lower Cretaceous; France.
- Coniopteris nitidula**, Yokoyama, 1906, p. 35, pl. xii, figs. 4, 4a.
 Cretaceous; China.
- Conites familiaris**, Sternberg, 1825, p. xxxix, pl. xlvi, fig. 2.
 (= *Zamiostrobus familiaris*, Bronn & Roemer, 1856.)
 Pläner; Tribnitz, Bohemia.
- **gibbus**, Reuss, 1844, p. 169. (= *Microzamia gibba* (Reuss), Corda, 1846.) Ibid.
- **insignis**, Bronn & Roemer, 1856, p. 54, pl. xxviii, fig. 13.
 Cenomanian; Niederschoena, Saxony.
- **sp.**, Bronn, 1837, p. 577, pl. xxviii, fig. 13. Ibid.
- Conospermites ellipticus**, Fontaine, 1889, p. 279, pl. cxxxviii, fig. 14.
 Potomac Formation; Virginia, U.S.A.
- **hakeæfolius**, Ettingshausen, 1867 A, p. 254, pl. iii, figs. 4, 12.
 Cenomanian; Niederschoena, Saxony.
- **hakeæfolius**, Velenovsky (*non* Ettingshausen), 1882 A, p. 213
 [nomen nudum]. Cretaceous; Bohemia.
- **linearifolius**, Ettingshausen, 1893, pp. 140, 149; & 1895, p. 27,
 pl. iii, fig. 15. Cretaceous; Australia.

- Corallinites galaxacera** (*Galaxaura*), Massalongo, 1856, p. 42,
pl. vi, figs. 1-2. Cretaceous; Venice, Italy.
- Cornophyllum vetustum**, Newberry, 1895, p. 119, pl. xix, fig. 10.
Amboy Clay; Woodbridge, U.S.A.
- Cernoxylon myricæforme**, Vater, 1884, p. 846, pl. xxix, figs. 25, 26.
Lower Senonian (?); Helmstedt
- Cornus cretacea**, Caspary, 1888, p. 39. Königsberg, Prussia.
- **cretacea solidior**, Caspary, 1888, p. 40; 1889, p. 29, pl. vi, figs. 4-17. Ibid.
- **Forchhammeri**, Heer, 1882, p. 85, pl. xlv, fig. 13.
Atane Beds; Greenland.
- **Holmiana**, Heer, 1883 A, p. 36, pl. lxii, fig. 12; pl. lxiv, figs. 6, 7.
Patoot Beds; Greenland.
- **obesus**, Dawson, 1894, p. 62, pl. ix, fig. 30.
Upper Cretaceous; Vancouver Island, Canada.
- **platyphylloides**, Lesquereux, 1892, p. 126, pl. lxiv, fig. 15.
Dakota Group; Kansas, U.S.A.
- **præcox**, Lesquereux, 1892, p. 125, pl. xxiii, fig. 5. Ibid.
- **rharnifolia**, Weber, 1852, p. 192, pl. xxi, fig. 8. Tertiary.
(Recorded Lesquereux, 1872 & 1878 n, American
Laramie & Montana Formations.)
- **Studerii**?, Heer, 1859. Tertiary.
(Recorded Ward, 1872, p. 293, & 1878, p. 244,
pl. xlii, figs. 4, 5, American Cretaceous.)
- **suborbifera**, Lesquereux, 1878 B, p. 243, pl. lxii, fig. 2.
Laramie Formation; Colorado, U.S.A.
- **thulensis**, Heer, 1883 A, p. 37, pl. lxii, figs. 9-11.
Patoot Beds; Greenland.
- Corticites stigmarioides** (Ettingshausen), Engelhardt, 1892, p. 116.
(= *Caulinites stigmarioides*, Ettingshausen) Cretaceous; Bohemia.
- Costarites undulatus**, Debey, 1848 A, p. 115 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- Cratægus aceroides**, Lesquereux, 1892, p. 143, pl. liv, fig. 8; pl. lv,
fig. 1. Dakota Group; Kansas, U.S.A.
- ? **æquidentata**, Lesquereux, 1878 B, p. 297, pl. lviii, figs. 4, 4 a.
Laramie Formation; Wyoming, U.S.A.
- **atavina**, Heer, 1883 A, p. 43, pl. lxiv, fig. 11.
Patoot Beds; Greenland.
- ? **fragarioides**, Heer, 1883 A, p. 43, pl. lxii, fig. 10 b. Ibid.
- **Lacoei**, Lesquereux, 1892, p. 143, pl. lxiv, fig. 14.
Dakota Group; Kansas, U.S.A.
- **lawrenciana**, Lesquereux, 1892, p. 142, pl. xxxviii, fig. 1. Ibid.
- **monmouthensis**, Berry, 1907 A, p. 675, text-fig. 1.
Magothy Formation; New Jersey, U.S.A.
- **tenuinervis**, Lesquereux, 1892, p. 142, pl. liv, figs. 5-7.
Dakota Group; Kansas, U.S.A.
- Credneria acerifolia**, Richter, 1905, p. 13, pl. ii, fig. 13; pl. iii, fig. 1.
Quadersandstein; Blankenburg, Saxony.

- Credneria acuminata**, Hampe, 1852, p. 7 [nomen nudum]. (In Stiehler, 1858, p. 64, pl. x, figs. 6, 7.)
Quadersandstein; Blankenburg.
- **arcuata**, Velenovsky, 1882 A, p. 14, pl. viii, fig. 9.
Cenomanian; Vyserovic, Bohemia.
- **arcuata**, Richter (*non* Velenovsky), 1905, p. 14, pl. iii, fig. 4; pl. vi, fig. 10.
Quadersandstein; Blankenburg, Saxony.
- **atava**, Richter, 1905, p. 14, pl. iii, fig. 6.
Upper Cretaceous; Neinstedt, Saxony.
- **Beckeriana**, Goeppert, 1845, p. 220 [nomen nudum].
Cretaceous; Silesia.
- **biloba**, Zenker, 1833, p. 19, pl. ii, figs. A & B.
Quadersandstein; Blankenburg, Saxony.
- **bohémica**, Velenovsky, 1882 A, p. 213; & 1882 B, p. 9, pl. iii, fig. 1; pl. iv, figs. 10–11.
Cenomanian; Vyserovic, Bohemia.
- **cuneifolia**, Bronn, 1837, p. 583, pl. xxviii, fig. 11. (= *Ettingshausenia cuneifolia* of Stiehler, 1858.)
Cenomanian; Niederschoena, Saxony.
- **denticulata**, Zenker, 1833, p. 18, pl. ii, fig. E.
Quadersandstein; Blankenburg, Saxony.
- **elongata**, Richter, 1905, p. 14, pl. ii, fig. 11; pl. iv, figs. 4, 7; pl. vi, figs. 6, 7, 8, 9.
Upper Cretaceous; Eselstall, Saxony.
- **Engelhardti**, Richter, 1905, p. 14, pl. iv, fig. 3.
Upper Cretaceous; Neinstedt, Saxony.
- **expansa**, Brongniart, 1849 A, p. 111 [nomen nudum]. (= *Ettingshausenia expansa* of Stiehler, 1858.)
Cenomanian; Niederschoena, Saxony.
- **Geinitziana**, Unger, 1849, p. 349. (= *Ettingshausenia Geinitziana*, Stiehler, 1858.)
Ibid.
- **glandulosa**, Richter, 1905, p. 14, pl. ii, fig. 12; pl. iv, fig. 1.
Upper Cretaceous; Eselstall, Saxony.
- **grandidentata**, Unger, 1849, p. 348, pl. v, fig. 5. (= *Ettingshausenia grandidentata* of Stiehler, 1858.)
Cenomanian; Niederschoena, Saxony.
- **integerrima**, Zenker, 1833, p. 17, pl. ii, fig. F.
Quadersandstein; Blankenburg, Saxony.
- **lævis**, Velenovsky, 1882 A, p. 213; & 1882 B, p. 13, pl. iii, fig. 4; pl. iv, figs. 2–6. (= *Platanus lævis*, Velenovsky, 1889.)
Cenomanian; Bohemia.
- **Le Conteana**, Lesquereux, 1868, p. 98. (= *Protophyllum Leconteana*, Lx, 1874.)
Dakota Group; Nebraska, U.S.A.
- **macrophylla**, Heer, 1869 A, p. 16, pl. iv.
Upper Cretaceous; Moletsein, Moravia.
- ? **microphylla**, Lesquereux, 1876 A, p. 397.
Dakota Group; Kansas, U.S.A.
- **oblonga**, Schimper, 1874, p. 60.
Quadersandstein; Blankenburg, Saxony.
- **peltata**, Richter, 1905, p. 14, pl. iv, fig. 5; pl. vi, fig. 11.
Upper Cretaceous; Eselstall, Saxony.

- Credneria posthuma**, Richter, 1905, p. 15, pl. iii, fig. 7.
Upper Cretaceous; Westerhausen, Saxony.
- **Reichi**, Geinitz, 1850 A, p. 274 [nomen nudum]. (= *Ettingshausenia Genit-ziana*, Stiehler, 1858.) Quadersandstein; Saxony.
- **reticulata**, Eichwald, 1853, p. 230, text-fig. 3. (= *Ettingshausenia reticulata*, Stiehler, 1858.) Neocomian; Kursk, Russia.
- **rhomboidea**, Velenovsky, 1882 A, p. 213; 1882 B, p. 11, pl. iii, figs. 2, 3; pl. iv, fig. 1. Cenomanian; Kuchelbad, Bohemia.
- **Schneideriana**, Goeppert, 1845, p. 220 [nomen nudum].
Tiefenfurth, Silesia.
- **spathulata**, Eichwald, 1853, p. 230, text-figs. 5, 6. (= *Ettingshausenia spathulata*, Stiehler, 1858.) Neocomian; Kursk, Russia.
- **Sternbergii**, Brongniart, 1849 A, p. 160 [nomen nudum]. (= *Ettingshausenia Sternbergi*, Stiehler, 1858.)
Cenomanian; Teschen, Bohemia.
- **subseriata**, Hampe, 1852, p. 7 [nomen nudum]. (In Stiehler, 1858, p. 64, pl. ii, fig. 18.)
Quadersandstein; Blankenburg, Saxony.
- **subtriloba**, Zenker, 1833, p. 20, pl. iii, figs. C, D, G. Ibid.
- **superstes**, Velenovsky, 1882 A, p. 213; & 1882 B, p. 15, pl. iv, figs. 7-9. Cenomanian; Leipa, Bohemia.
- **tenuinervis**, Hosius, 1870 A, p. 95, pl. xii, fig. 2.
Senonian; Legden, Westphalia.
- **tremulæfolia**, Brongniart, 1849 A, p. 111 [nomen nudum].
(= *Ettingshausenia tremulæfolia*, Stiehler, 1858.)
Cenomanian; Niederschoena, Saxony.
- **triacuminata**, Hampe, 1852, p. 7 [nomen nudum]. (In Stiehler, 1858, p. 64, pl. x, figs. 8, 9.)
Quadersandstein; Blankenburg, Saxony.
- **venulosa**, Eichwald, 1853, p. 230, text-fig. 4. (= *Ettingshausenia venulosa*, Stiehler, 1858.) Neocomian; Kursk, Russia.
- **westfalica**, Hosius, 1870 A, p. 95, pl. xii, fig. 1.
Senonian; Legden, Westphalia.
- **Zenkeri**, Richter, 1905, p. 12. Senonian; Quedlinburg, Saxony.
- **Zenkeri acuminata** (Hampe), Richter, 1905, p. 12, pl. ii, fig. 5.
(= *Credneria acuminata*, Hampe.)
Quadersandstein; Blankenburg, Saxony.
- **Zenkeri asymmetrica**, Richter, 1905, p. 12, pl. v, fig. 5. Ibid.
- **Zenkeri denticulata** (Zenker), Richter, 1905, p. 13, pl. ii, figs. 6, 7; pl. vi, figs. 1, 12. (= *Credneria denticulata*, Zenker.)
Ibid.
- **Zenkeri integerrima** (Zenker), Richter, 1905, p. 12, pl. i, fig. 1; pl. iii, figs. 3, 5, 8 a, 8 b; pl. v, figs. 6, 7, 8. (= *Credneria integerrima*, Zenker, 1833.)
Ibid.
- **Zenkeri intermedia**, Richter, 1905, p. 13, pl. vi, figs. 2, 3, 4, 5, 13. Ibid.
- **Zenkeri oblonga** (Schimper), Richter, 1905, p. 13. (= *Credneria oblonga*, Schimper.)
Ibid.

- Credneria Zenkeri orbicularis**, Richter, 1905, p. 12, pl. ii, fig. 2;
pl. v, figs. 2, 3. Upper Cretaceous; Saxony.
- **Zenkeri subserrata** (Hampe), Richter, 1905, p. 13, pl. ii, fig. 8.
Quadersandstein; Blankenburg, Saxony.
- **Zenkeri subtriloba** (Zenker), Richter, 1905, p. 13, pl. ii, fig. 3;
pl. v, figs. 9–11. Senonian; Quedlinburg.
- **Zenkeri triacuminata** (Hampe), Richter, p. 13, pl. ii, fig. 4;
pl. iv, fig. 2; pl. v, figs. (14), 15, 16. (= *Credneria triacuminata*,
Hampe.) Quadersandstein; Blankenburg, Saxony.
- **Zenkeri triloba**, Richter, 1905, p. 12, pl. v, fig. 12.
Upper Cretaceous; Eselstall, Saxony.
- ? **sp.**, Dunker, 1856, p. 182, pl. xxxv, fig. 1.
Quadersandstein; Blankenburg, Saxony.
- **sp.**, Dunker, 1856, p. 180, pl. xxxiii, fig. 3. Ibid.
- **sp.**, Heer, 1874 A, p. 111, pl. xxxii, figs. 20, 21.
Atane Beds; Greenland.
- **sp.**, Otto, 1854, p. 47, pl. ix, figs. 8, 9. Dippoldswalde, Saxony.
- **sp.**, Richter, 1905, p. 14, pl. iii, fig. 2.
Upper Cretaceous; Salzberg, Saxony.
- **sp.**, Schenk, 1890, p. 485, text-fig. 286.
Quadersandstein; Blankenburg, Saxony.
- Cretovarium japcnicum**, Stopes & Fujii, 1910, p. 70, pl. ix, figs. 58–60.
Upper Cretaceous; Hokkaido, Japan.
- Cristatella doliolum**, Stache, 1889, p. 136, pl. iv, fig. 8. (= *Chara*
doliolum, Stache, 1880.) Upper Cretaceous; Corgniale.
- Crossochorda Marionii**, Dewalque, 1880, p. 45, pl. ii, fig. 1.
Cretaceous; Condroz, Belgium.
- Crotonophyllum cretaceum**, Velenovsky, 1889, p. 20, pl. v, figs. 4–11.
Cenomanian; Vyserovic, Bohemia.
- Cryptomeria primæva**, Corda in Reuss, 1846, p. 89, pl. xlviii, figs. 1–11.
Pläner; Bohemia.
- Cryptomeriopsis antiqua**, Stopes & Fujii, 1910, p. 52, pl. i, fig. 11;
pl. vi, figs. 35–41; text-fig. 18.
Upper Cretaceous; Hokkaido, Japan.
- **mesozoica**, Suzuki, 1910, p. 185, pl. vii, figs. 3–5. Ibid.
- Cryptomerites hungaricus**, Tuzson, 1908, p. 3, pl. ii, figs. 4, 5.
Upper Cretaceous; Hungary.
- Ctenidium dentatum**, Heer, 1881, p. 17, pl. xvi, figs. 12–15.
Cretaceous; Almargem, Portugal.
- **integerrimum**, Heer, 1881, p. 17, pl. xvi, figs. 4–11. Ibid.
- Ctenis imbricata**, Fontaine, 1889, p. 177, pl. cxxxviii, figs. 10–12.
Potomac Formation; Virginia, U.S.A.
- Ctenophyllum latifolium**, Fontaine, 1889, p. 175, pl. lxviii, figs. 2, 3.
Ibid.
- Ctenopteris angustifolia**, Fontaine, 1889, p. 159, pl. lxx, fig. 2;
pl. lxxii, fig. 4. Ibid.
- **columbiensis**, Penhallow, 1902 B, p. 26, text-fig. 1.
Upper Cretaceous; Vancouver Island, Canada.

- Ctenopteris insignis**, Fontaine, 1889, p. 156, pl. lxi, figs. 4, 5; pl. lxii, fig. 1; pl. lxiii, figs. 1, 2. Potomac Formation; Virginia, U.S.A.
- **integrifolia**, Fontaine, 1889, p. 158, pl. lxii, fig. 2; pl. lxx, fig. 3. Ibid.
- **longifolia**, Fontaine, 1889, p. 159, pl. lxvii, fig. 5. Ibid.
- **minor**, Fontaine, 1889, p. 157, pl. lxvii, fig. 3. Ibid.
- **ultima**, Saporta, 1894, p. 84, pl. xv, fig. 27. Valanginian; Portugal.
- **virginiensis**, Fontaine, 1889, p. 157, pl. lxii, fig. 4; pl. lxx, fig. 1; pl. lxvi, fig. 4. Potomac Formation; Virginia, U.S.A.
- Culmites cretaceus**, Ettingshausen (*non* Miquel), 1867 A, p. 247, pl. i, fig. 3. Cenomanian: Niederschoena, Saxony.
- **cretaceus**, Miquel (*non* Ettingshausen), 1853, p. 53. Senonian; Belgium.
- **priscus**, Ettingshausen, 1852 c, p. 16, pl. iii, figs. 4-8. Wernsdorfer Beds (see Krasser, 1896, p. 146).
- **sp.**, Roemer, 1870, p. 291, pl. xxviii, fig. 14. Cenomanian; Silesia.
- Cunninghamia elegans**, Corda in Reuss, 1846, p. 93, pl. xlix, figs. 29-31. Quadersandstein; Bohemia.
- **planifolia**, Corda in Reuss, 1846, p. 93, pl. i, figs. 1-3. Quadersandstein; Perutz, Bohemia.
- **stenophylla**, Velenovsky, 1885, p. 15, pl. v, figs. 2, 4, 10, 16. Perucer Beds; Bohemia.
- Cunninghamiostrobos yubariensis**, Stopes & Fujii, 1910, p. 45, pl. v, figs. 27-34, text-figs. 15, 16, 17. Upper Cretaceous; Hokkaido, Japan.
- Cunninghamites borealis**, Heer, 1882, p. 55, pl. xxix, fig. 12. Atane Beds; Greenland.
- **dubius**, Sternberg in Unger, 1867, p. 651, pl. ii, fig. 8. Upper Cretaceous; Austria.
- **elegans** (Corda), Endlicher, 1847 B, p. 305. Middle Cretaceous; Bohemia. (Recorded by Heer, 1883 A, Greenland; Patoot Beds.)
- **elegans linearis**, Hosius & von der Marck, 1880, p. 179, pl. xxxvii, fig. 142. Lower Senonian; Westphalia.
- **oxycedrus**, Presl in Sternberg, 1838, p. 203, pl. xlviii, fig. 3; pl. xlix, fig. 1. Cenomanian; Niederschoena, Saxony.
- **planifolius**, Endlicher, 1847 B, p. 305. (= *Cunninghamia planifolia*, Corda.) Perucer Beds; Bohemia.
- **prisca**, Eichwald, 1861, p. 311. Greensand; Russia.
- **pulchellus**, Knowlton in Stanton & Hatcher, 1905, p. 136, pl. xvi, fig. 1. Judith River Beds; Montana, U.S.A.
- **recurvatus**, Hosius & von der Marck, 1880, p. 179, pl. xxxvii, figs. 143, 144. Lower Senonian; Legden, Westphalia.
- **squamosus**, Heer, 1871 A, p. 9, pl. i, figs. 5-7. Senonian; Quedlinburg, Saxony.

- Cunninghamites squamosus densifolia**, Hosius & von der Marck, 1880, p. 178, pl. xxxvii, figs. 139, 140, 141.
Lower Senonian; Westphalia.
- **squamosus linearis**, Hosius & von der Marck, 1880, p. 179, pl. xxxvii, fig. 142. Ibid.
- **Sternbergii**, Ettingshausen, 1867 A, p. 246, pl. i, figs. 4-6.
Cenomanian; Niederschoena, Saxony.
- ? **sp.**, Knowlton, 1900 A, p. 29, pl. v, fig. 3.
Montana Formation; Wyoming, U.S.A.
- Cupanites Novæ Zeelandiæ**, Ettingshausen, 1887 A, p. 188, pl. iv, figs. 18-20. Upper Cretaceous; New Zealand.
- Cupressinea insignis**, Geinitz, 1850 A, p. 270.
Cenomanian; Niederschoena, Saxony.
- Cupressinoxylon ? Bibbinsi**, Knowlton, 1896 A, p. 584, text-figs. 1-4.
Upper Potomac Formation; Maryland, U.S.A.
- **cheyennense**, Penhallow, 1900, p. 76.
Comanche Cretaceous; Kansas, U.S.A.
- **columbianum**, Knowlton, 1889 A, p. 49, pl. iv, fig. 5; pl. v, figs. 3, 4; pl. vi, figs. 1-5; pl. vii, fig. 1.
Potomac Formation; Virginia, U.S.A.
- **comanchense**, Penhallow, 1900, p. 77.
Comanche Cretaceous (?); Kansas, U.S.A.
- **elongatum**, Knowlton, 1889 B, p. 7, pl. iii, figs. 1-4.
Laramie Formation; Montana, U.S.A.
- **Glasgowi**, Knowlton, 1889 B, p. 6, pl. ii, figs. 1-5.
Cretaceous (?); Iowa, U.S.A.
- **infracretaceum**, Fliche, 1896, p. 248, pl. xvii, figs. 1, 2.
Albian; Montblainville, France.
- **Kipriwanowi**, Mercklin in Krendowskij, 1880, p. 266, pl. i, figs. 4, 5.
Cretaceous; Isjum, Russia.
- **Lennieri**, Lignier, 1907, p. 275, pl. xix, figs. 25-28; pl. xxi, diag. 8; pl. xxii, fig. 73; pl. xxiii, fig. 88. Lower Cretaceous; Hève, France.
- **McGeeli**, Knowlton, 1889 A, p. 46, pl. ii, fig. 5; pl. iii, figs. 1-5.
Potomac Formation; Washington, U.S.A.
- **pulchellum**, Knowlton, 1889 A, p. 45, pl. ii, figs. 1-4.
Potomac Formation; Virginia, U.S.A.
- **sequoianum** (Mercklin), Vater emend. 1884, p. 813.
Lower Senonian; Harzburg.
- **Severzovi**, Mercklin, 1855, p. 59, pl. xiii, figs. 7-9.
Greensand; Russia.
- **turonienne**, Hosius & von der Marck, 1880, p. 199, pl. xlii, fig. 175 a-c. Turonian; Westphalia.
- **ucranicum**, Goeppert, 1850 A, p. 201, pl. xxvi, figs. 1-4.
Cretaceous; Charcow, Ucranica.
- **vectense**, Barber, 1898, p. 337, pl. xxiii; pl. xxiv, figs. 1-15.
Lower Greensand; Isle of Wight.
- **Wardi**, Knowlton, 1889 A, p. 48, pl. iv, figs. 1-4; pl. v, figs. 1, 2.
Potomac Formation; Columbia, U.S.A.

- Cupressites Cookii**, Newberry, 1870, p. 9 [nomen nudum].
Amboy Clay; New Jersey, U.S.A.
- **obtusifolius**, Eichwald, 1865, p. 44, pl. iii, figs. 6-7. Russia.
- Cupressoxylon cheyennense**, Penhallow, 1907 A, p. 238.
Comanche Cretaceous; Kansas, U.S.A.
- **comanchense**, Penhallow, 1907 A, p. 239. Ibid.
- **Dawsoni**, Penhallow, 1907 A, p. 240.
(Recorded in Cretaceous of Medicine Hat, Canada.)
- **macrocarpoides**, Penhallow, 1907 A, p. 238.
Cretaceous; Medicine Hat, Canada.
- Cussonia ? lacerata**, Saporta, 1894, p. 189, pl. xxxv, fig. 3 B.
Albian; Portugal.
- **partita**, Velenovsky, 1882 B, p. 20, pl. vii, fig. 1. (= *Cussoniphyllum partitum*, Velenovsky, 1889.)
Cenomanian; Hodkovic, Bohemia.
- Cussoniphyllum partitum**, Velenovsky, 1889, p. 22, pl. v, fig. 1.
(= *Cussonia partita*, Velenovsky, 1882.) Cenomanian; Bohemia.
- Cyathea angusta**, Heer, 1883 A, p. 1, pl. i, figs. 4-5.
Patoot Beds; Greenland.
- **fertilis**, Heer, 1882, p. 21, pl. xxxi, figs. 3-8.
Atane Beds; Greenland.
- **Hammeri**, Heer, 1882, p. 22, pl. xxxi, figs. 1-2; pl. xxxv, figs. 4, 4b.
Ibid.
- Cyatheetes ? nebraskana** (Heer), Knowlton, 1898, p. 81 (re-naming *Pecopteris nebraskana*, Heer). Dakota Group; Kansas, U.S.A.
- Cycadeites ? Wohlfahrti** (Otto), Geinitz, 1875 B, p. 232, pl. lxi, figs. 3 a, b. (= *Arundites Wohlfahrtii*, Otto, 1852).
Quadersandstein; Dippoldiswalde.
- Cycadeocarpus (Dioönites) columbianus**, Dawson, 1873, p. 69, pl. i.
Lower Cretaceous; British Columbia.
- Cycadeoidea Argonnensis**, Fliche, 1896, p. 153, pl. i, fig. 5.
Albian; Clermont, France.
- **arida-gamantiensis**, Leriche, 1909, p. 501, text-fig. 3.
Senonian; Templeux-la-Fosse, France.
- **aspera**, Ward, 1899 A, p. 213; & 1899 B, p. 624, pl. cxvii.
Lower Cretaceous; Black Hills, U.S.A.
- **Bibbinsi**, Ward, 1897 C, p. 15; & 1905, p. 456, pl. lxxxiii, fig. 3; pl. lxxxiv, fig. 3; pl. lxxxv; pl. lxxxvii, figs. I, 2, 4, 6, 7; II, 1, 2, 4, 8, 9, 10, 11; III, 5, 7; IV, 2, 3, 6, 8, 11; V, 12, 15; pl. lxxxix, figs. I, 5; II, 2, 5, 6; pls. ci-civ.
Potomac Formation; Maryland, U.S.A.
- **cicatricula**, Ward, 1899 A, p. 203; & 1899 B, p. 609, pls. lxxxiii-lxxxiv.
Lower Cretaceous; Black Hills, U.S.A.
- **Clarkiana**, Ward, 1905, p. 472, pl. lxxxix, figs. I, 2, 4; pl. cvi.
Potomac Formation; Maryland, U.S.A.
- **Colei**, Ward, 1899 A, p. 211; & 1899 B, p. 619, pls. cx-cxii.
Lower Cretaceous; Black Hills, U.S.A.

- Cycadeoidea Colleti**, Fliche, 1896, p. 151, pl. ii; pl. iii, figs. 1, 2.
Albian; Islettes, France.
- **colossalis**, Ward, 1899 A, p. 197; & 1899 B, p. 603, pls. lxxvii-lxxxii.
(See also Wieland, 1906, p. 98.)
Lower Cretaceous; Black Hills, U.S.A.
- **dakotensis** (McBride), Ward, 1894 B, p. 86. (= *Bennettites dakotensis*, McBride, 1893.) Illust. Wieland, 1906, pl. v, phot. 2, pls. xxxii, xxxiv, xxxv, xxxvi, xxxvii, xxxviii, xxxix, xl, xli, xlii, etc.
Lower Cretaceous; S. Dakota, U.S.A.
- **etrusca**, Capellini & Solms Laubach, 1892, p. 110, pl. i, fig. 2; pl. iv, fig. 1; pl. v, figs. 4, 7, 8. Lower Cretaceous (?); Italy.
- **excelsa**, Ward, 1899 A, p. 225; & 1899 B, p. 637, pls. cliii-clv.
Lower Cretaceous; Black Hills, U.S.A.
- **Ferretiana**, Capellini & Solms Laubach, 1892, pp. 84, 115.
Cretaceous (?); Italy.
- **Fisheræ**, Ward, 1905, p. 470, pl. lxxxvii, fig. III, 9; pl. cv.
Potomac Formation; Maryland, U.S.A.
- **Fontaineana**, Ward, 1897 c, p. 13; & 1905, p. 439, pl. lxxxvi; pl. lxxxvii, figs. I, 1; III, 2, 6, 8; IV, 1, 7, 9; V, 1, 10, 11, 13, 14, 16, 18, 21; pl. lxxxix, figs. I, 1; III, 1, 3, 6, 7, 11; pl. xcvi; pl. xevi; pl. xevii; pl. xeviii. Ibid.
- **forata** (Saporta), Capellini & Solms Laubach, 1892, p. 96.
(= *Clathropodium foratum*, Saporta, 1875.)
Gault; Havre, France.
- **formosa**, Ward, 1899 A, p. 222; & 1899 B, p. 634, pls. cxliv-cxlv.
See also Wieland, 1906, pl. xiv, phot. 2.
Lower Cretaceous; Black Hills, U.S.A.
- **furcata**, Ward, 1899 A, p. 210; & 1899 B, p. 618, pls. cvi-cix. Ibid.
- **Gibsoni** (Carruthers), Ward. (= *B. Gibsonianus*, Carruthers, 1870.)
Lower Greensand; Isle of Wight.
- **Goucheriana**, Ward, 1897 c, p. 14; & 1905, p. 451, pl. lxxxvii, figs. 1, 3; pl. lxxxix, figs. 1, 3; pl. xcix. See also Wieland, 1906, p. 32, fig. 7. Potomac Formation; Maryland, U.S.A.
- **Guillieri**, Crié, 1884, p. 512. Mans, France.
- **helichorea**, Ward, 1900 A, p. 337, pl. iv, upper figure. (= *C. dakotensis*, Ward.) See also Wieland, 1906, p. 162.
Lower Cretaceous; Wyoming, U.S.A.
- **inclusa** (Carruthers), Schimper, 1874, p. 556. (= *Mantellia inclusa*, Carruthers, 1870.) Potton Sands; Cambridgeshire.
- **ingens**, Ward, 1899 A, p. 221; & 1899 B, p. 632, pls. cxxxiii-cxliii.
See also illust. Wieland, 1906, pls. i, ii, iii, iv, iv A, etc.
Lower Cretaceous; S. Dakota, U.S.A.
- **insolita**, Ward, 1899 A, p. 214; & 1899 B, p. 625, pls. cxviii & cxix.
Lower Cretaceous; Black Hills, U.S.A.
- **Jenneyana**, Ward, 1894 B, p. 87; & 1899 B, p. 627, pls. cxxi-cxxxii.
See also illust. Wieland, 1906, pl. xiv, phot. 1, etc. Ibid.

- Cycadeoidea Marshiana**, Ward, 1899 A, p. 208; & 1899 B, p. 616, pls. ci-cv. See also illust. Wieland, 1906, pl. v, phot. 1 & 3, pls. vii, viii, ix, phot. 1, xii, xiii, xxxiii, etc.
Lower Cretaceous; Black Hills, U.S.A.
- **marylandica** (Font.), Capellini & Solms Laubach, 1892, p. 85.
(= *Tysonia marylandica*, Fontaine, 1889.)
Potomac Formation; Maryland, U.S.A.
- **Masseiana**, Capellini & Solms Laubach, 1892, p. 111, pl. i, fig. 1.
(= *Raumeria Masseiana*, Capellini, 1890.) Cenomanian (?); Italy.
- **McBridei**, Ward, 1899 A, p. 205; & 1899 B, p. 612, pls. xci-c.
See also Wieland, 1906. Lower Cretaceous; Black Hills; U.S.A.
- **McGeeana**, Ward, 1897 C, p. 12; & 1905, p. 434, pl. lxxxvii, figs. III, 3, 10, IV, 15, V, 8, 9, 19, 20; pl. lxxxix, figs. II, 1, 8, III, 4, 9, 10; pl. xciv. Potomac Formation; Maryland, U.S.A.
- **minima**, Ward, 1900 A, p. 341, pl. ii, lower fig.
Lakota Formation; S. Dakota, U.S.A.
- **minnekahtensis**, Ward, 1899 A, p. 200; & 1899 B, p. 606, pls. lxxvi-lxxix. See also Wieland, 1906, pl. xliii, photos. 4, 5, etc.
Lower Cretaceous; Black Hills, U.S.A.
- **mirabilis** (Lesquereux), Ward, 1894 B, p. 86. (= *Zaminstrobis*).
Pre-Laramie (?); Colorado, U.S.A.
- **munita**, Cragin, 1889, p. 65. Trinity Division; Kansas, U.S.A.
- **nana**, Ward, 1899 A, p. 227; & 1899 B, p. 639, pls. elvi & elvii.
Lower Cretaceous; Black Hills, U.S.A.
- **Niedzwiedzkii**, Raciborski, 1892, p. 355; & 1893, p. 301, pls. vii, viii.
Lower Cretaceous (?); Carpathians.
- **occidentalis**, Ward, 1899 A, p. 215; & 1899 B, p. 626, pl. cxx.
Lower Cretaceous; Black Hills, U.S.A.
- **Paynei**, Ward, 1899 A, p. 212; & 1899 B, p. 620, pls. cxiii-cxv. See also Wieland, 1906, pl. xliii, phot. 7, etc. Ibid.
- **protea**, Ward, 1900 A, p. 343, pl. iv, lower right fig. Ibid.
- **pulcherrima**, Ward, 1899 A, p. 201; & 1899 B, p. 608, pls. lxxx-lxxxii. See also Wieland, 1906, p. 171, fig. 91. Ibid.
- **reticulata**, Ward, 1900 A, p. 340, pl. iv, lower left fig. Ibid.
- **rhombica**, Ward, 1900 A, p. 336, pl. ii, upper fig. Ibid.
- **semiglobosa**, Fliche, 1896, p. 155, pl. iv, figs. 1, 2.
Albian; Clermont, France.
- **Stantoni**, Ward, 1905, p. 276, pl. lxx.
Shasta Formation; California, U.S.A.
- **Stillwalli**, Ward, 1899 A, p. 223; & 1899 B, p. 635, pls. cxlvii-clii.
See also Wieland, 1906. Lower Cretaceous; Black Hills, U.S.A.
- **superba**, Ward, 1900 A, p. 334, pl. iii, lower fig. See also illust. Wieland, 1906, pl. ix, phot. 2; pls. x, xi, etc.
Lowest Cretaceous (?); S. Dakota, U.S.A.
- **turrita**, Ward, 1899 A, p. 203; & 1899 B, p. 610, pls. lxxxv-xc; & Wieland, 1906, pl. xxviii, phot. 6, pl. xxx, phot. 2, etc.
Lower Cretaceous; Black Hills, U.S.A.

Cycadeoidea Tysoniana, Ward, 1897 c, p. 11; & 1905, p. 432, pl. lxxxvii, figs. 1, 5; pl. xciii.

Potomac Formation; Maryland, U.S.A.

— **Uhleri**, Ward, 1897 c, p. 14; & 1905, p. 454, pl. lxxxvii, figs. IV, 10; pl. c. Ibid.

— **utopiensis**, Ward, 1900 A, p. 338, pl. iii, fig. 727.

Lakota Formation; Wyoming, U.S.A.

— **Wellsii**, Ward, 1899 A, p. 199; & 1899 B, p. 605, pls. lxxiii-lxxv. See also Wieland, 1906, pl. xliii, phot. 6.

Lower Cretaceous; Black Hills, U.S.A.

— **Wielandi**, Ward, 1899, p. 621, pl. cxvi. (*C. Paynei*, ex parte.) See also Wieland, 1906, p. 110, etc., pls. xv, xvi, xvii, phot. 4, xxi, xxii, etc. Ibid.

— **Yatesii**, Carruthers, 1867, p. 199, pl. ix. (= *Yatesia Morrisii*, Carruthers, 1870.) Lower Greensand; Potton.

— **sp.**, Fliche, 1896, p. 157, pl. v, fig. 1. Albian (?); Clermont, France.

— **sp.**, Wieland, 1900, p. 219, pl. i, fig. 12, text-fig. 13, p. 220.

Lower Cretaceous; S. Dakota, U.S.A.

Cycadeospermum acutum, Fontaine, 1889, p. 270, pl. cxxxv, fig. 12.

Potomac Formation; Virginia, U.S.A.

— **angustum**, Fontaine, 1889, p. 271, pl. cxxxv, fig. 20. Ibid.

— **californicum**, Fontaine in Ward, 1905, p. 257, pl. lxxviii, fig. 4.

Shasta Formation; California, U.S.A.

— **columnare**, Lesquereux, 1892, p. 31, pl. xlv, figs. 7, 8.

Dakota Group; Kansas, U.S.A.

— **ellipticum**, Fontaine, 1889, p. 271, pl. cxxxv, fig. 19.

Potomac Formation; Virginia, U.S.A.

— **lineatum**, Lesquereux, 1892, p. 30, pl. i, fig. 14.

Dakota Group; Kansas, U.S.A.

— **montanense**, Fontaine in Ward, 1905, p. 310, pl. lxxiii, fig. 7.

Kootanie Formation; Montana, U.S.A.

— **obovatum**, Fontaine, 1889, p. 270, pl. cxxxv, fig. 13.

Potomac Formation; Virginia, U.S.A.

— **rotundatum**, Fontaine, 1889, p. 271, pl. cxxxvi, fig. 12. Ibid.

— **Schmidtianum**, Geinitz, 1879, p. 114, pl. iv, figs. 2 a, b, c.

Senonian; Silesia.

— **spatulatum**, Fontaine, 1889, p. 271, pl. cxxxv, figs. 11, 21.

Potomac Formation; Virginia, U.S.A.

— **turonicum**, Engelhardt, 1892, p. 94, pl. i, figs. 4, 5.

Turonian; Bohemia.

Cycadinocarpus circularis, Newberry; Ward in Smith, 1894, p. 348; & Newberry, 1895, p. 46, pl. xlv, figs. 1-4.

Amboy Clay; Alabama, U.S.A.

Cycadites affinis, Eichwald, 1861, p. 311. Greensand; Russia.

— **cenomanensis**, Crie, 1879, p. 14 [nomen nudum].

Cenomanian; France.

— **contiguus**, Eichwald, 1865, p. 41, pl. iii, fig. 2.

Neocomian; Kursk, Russia.

- Cycadites Dicksoni**, Heer, 1871, p. 1182; & 1874 A, p. 99, pl. xxviii, fig. 7; pl. xxvii, fig. 9 c. (= *Pseudocycas Dicksoni* (Heer), Nathorst, 1907, p. 8) (= *Cycas Dicksoni*, Heer, 1882.) Atane Beds; Greenland.
- **giganteus**, Hisinger, 1837, p. 109, pl. xxxiii, fig. 5.
Greensand; Scania, Sweden.
- **linearis**, Sternberg, 1825, p. xxxiii, pl. 1, fig. 3.
Greensand; Hör, Sweden.
- **Nilssoni**, Sternberg, 1825, p. xxxii, pl. xlvii, fig. 1. (= *Devalquea Nilssoni*, Nathorst, 1881 & 1894.) Ibid.
- **Nilssoniana** (*Nilssonianus*), Brongniart, 1828, p. 98.
Greensand; Sweden.
- **pungens**, Lesquereux, 1892, p. 30, pl. ii, fig. 6.
Dakota Group; Kansas, U.S.A.
- **pygmæus**, Saporta, 1894, p. 173, pl. xxxi, fig. 10; pl. xxxii, fig. 5.
Albian; Portugal.
- **Sarthacensis**, Crié, 1879?, p. 22.
Cretaceous; Sainte-Croix, France.
- **Saxbyanus**, R. Brown, (1851) 1855, p. 130.
Cretaceous (?); Isle of Wight.
- **Schachtii**, Coemans, 1867, p. 7, pl. iii, figs. 1-3.
Cretaceous; La Louvière, Belgium.
- **tenuisectus**, Saporta, 1894, p. 171, pl. xxxii, figs. 1-4, 6.
Albian; Portugal.
- **Unjiga**, Dawson, 1883, p. 20, pl. i, figs. 2, 2 a.
Upper Cretaceous; North-West Territory, Canada.
- **zamiaeifolius**, Sternberg, 1825, p. xxxiii, pl. xliii, fig. 3. (= *Zamites Schlotheimii*, Presl.) Greensand; Hör, Sweden.
- Cycadopsis aquisgranensis**, Debey, 1848 B, p. 140. (= *Pinites aquisgranensis*, Goepfert, 1842 B.)
Senonian; Aix, Rhenish Prussia.
- **araucarina**, Debey, 1848, p. 141. Ibid.
- **cryptomerioides**, Miquel, 1853, p. 42, pl. iii, figs. 1-6.
Senonian; Limburg.
- **Foersteri**, Debey, 1848, p. 142. Ibid.
- **Monheimi**, Debey, 1848, p. 141. Ibid.
- **Ritzi**, Debey, 1848, p. 141. Ibid.
- **thujoides**, Debey, 1848, p. 142. Ibid.
- Cycadopteris Dunkeri**, Schenk, 1871 A, p. 6, pl. ii, figs. 1-2.
Senonian; Austrian Silesia.
- Cycadoxylum westfalicum**, Hosius & von der Marck, 1880, p. 193, pl. xli, figs. 164, 165. Lower Senonian; Haltern, Westphalia.
- Cycas Dicksoni**, Heer, 1882, p. 42, pl. xiv, fig. 10; pl. xvi, fig. 7. (= *Cycadites Dicksoni*, Heer, 1874 A; *Pseudocycas Dicksoni*, Nathorst, 1907.) Atane Beds; Greenland.
- **Steenstrupi**, Heer, 1882, p. 40, pl. v, figs. 1 a, 1 b. (= *Pseudocycas Steenstrupi* (Heer), Nathorst, 1907.) Atane Beds; Greenland.
- **sp.**, Velenovsky, 1887 A, p. 642. Cenomanian; Bohemia.

- Cyclopitys Delgadoi**, Saporta, 1890 A, p. 814; & 1894, p. 91, pl. xviii, figs. 1-4. Valanginian; Portugal.
- Cyclopteris Klipsteini**, Dunker, 1846, p. 11, pl. ix, fig. 7. Neocomian; Duingen.
- **Moquensis**, Newberry in Ives, 1861, p. 129, pl. iii, figs. 1, 2. Base of Cretaceous (?); Arizona, U.S.A.
- **squamata**, Ettingshausen, 1852 c, p. 13, pl. iv, fig. 1. Wernsdorfer Beds (see Krasser, 1896, p. 146).
- Cylindrites arteriæformis**, Goeppert, 1842 A, p. 117, pl. i. Quadersandstein; Silesia.
- **conicus**, Hosius & von der Marck, 1880, p. 191, pl. xl, fig. 160. Lower Senonian; Belgium.
- ? **cretaceus**, Miquel, 1853, p. 55. Senonian; Belgium.
- **Daedaleus**, Goeppert, 1842 A, p. 117, pl. xlix, figs. 1, 2. Quadersandstein; Silesia.
- **latifrons**, Saporta, 1880 (1877), p. 642, pl. i, fig. 1. Lower Cretaceous; Villequier, France.
- **spongioides**, Goeppert, 1842 A, p. 115, pl. xlvi, figs. 1-5; pl. xlviii, figs. 1, 2. (= *Typha gigantea*, Unger, 1870 A.) Quadersandstein; Silesia.
- **spongioides** (Goeppert), emend. Richter, 1909, p. 8, pls. xi, xii, xiii. Lower Cretaceous; Quedlinburg.
- Cyparissidium cretaceum**, Schenk, 1876, p. 167, pl. xxix, figs. 10-11. Upper Cretaceous; Brandenberg, Tyrol.
- **gracile**, Heer, 1874 A, p. 74, pl. xvii, figs. 5, 6, c; pl. xviii, fig. 6 b; pl. xix; pl. xx, figs. 1, d, e; pl. xxi, figs. 9 b, 10 d. Kome Beds; Greenland.
- ? **japonicum**, Yokoyama, 1894, p. 229, pl. xx, figs. 3 a, 6, 6 a, 13; pl. xxiv, fig. 4. Neocomian (?); Japan.
- **minimum**, Velenovsky, 1885, p. 19, pl. ix, figs. 6-7; pl. x, fig. 4. Perucer Beds; Landsberg, Bohemia.
- **mucronatum**, Heer, 1883 A, p. 12, pl. xlviii, figs. 6 c, d, 16-17. Patoot Beds; Greenland.
- **pulchellum**, Velenovsky, 1885, p. 18, pl. v, figs. 3, 5, 6, 9. Cenomanian (?); Knezioka, Bohemia.
- **Suessii**, Schenk, 1876, p. 167, pl. xxviii, fig. 13 (*Widdringtonites*). Upper Cretaceous; St. Wolfgang, Austria.
- Cyperacites ambiguus**, Ettingshausen, 1893, pp. 139, 147; & 1895, p. 13, pl. i, fig. 3. Cretaceous; Australia.
- **arcticus**, Heer, 1874 A, p. 86, pl. xii, fig. 4 b. Kome Beds; Greenland.
- **hyperboreus**, Heer, 1874 A, p. 86, pl. xxiv, fig. 4. Ibid.
- **sp.**, Knowlton, 1900 A, p. 32, pl. v, fig. 8. Montana Formation; Wyoming, U.S.A.
- **sp.** (Dn.) Knowlton, 1898, p. 83 (re-naming *Cyperites sp.*, Dawson). Kootanie Formation; British Columbia.
- Cyperites sp.**, Dawson, 1893, p. 91, text-fig. 16. Ibid.

- Cyperites?** sp., Hollick, 1894 A, p. 63, pl. clxxx, fig. 3.
Middle Cretaceous; New York, U.S.A.
- Cytisus cretaceus**, Dunker, 1856, p. 182, pl. xxxiv, fig. 3.
Quadersandstein; Blankenburg, Saxony.
- Czekanowskia capillaris**, Newberry, 1895, p. 61, pl. ix, figs. 14-16.
Amboy Clay; New Jersey, U.S.A.
- (**Sclerophyllina**) **dichotoma**, Heer, 1868, p. 82, pl. xlv, fig. 6;
& 1882, p. 14. Kome Beds; Greenland.
- **nervosa**, Heer, 1881, p. 18, pl. xvii, figs. 5-7 a, 8-11.
Cretaceous; Almagem, Portugal.
- Dacrydium cupressinum**, Ettingshausen, 1887 A, p. 178, pl. vii,
figs. 17-18, 18 a. Upper Cretaceous; New Zealand.
- Dacrydites incertus**, Marik, 1901, p. 10, pl. i, fig. 20.
Cenomanian; Bohemia.
- Dacrydium densifolium**, Velenovsky, 1885, p. 12, pl. xii, figs. 1-4.
Ibid.
- Dactyolepis cryptomerioides**, Hollick & Jeffrey, 1909, p. 52, pl. x,
figs. 12, 13. Raritan Formation; New York, U.S.A.
- Dadoxylon ægyptiacum**, Unger, 1859, p. 228, pl. i, figs. 3-5.
(= *Araucarites Ægyptiacus*, Goeppert, and *Araucarioxylon Ægyptiacum*, Kraus in Schenk, 1883.) Cenomanian (?); Cairo, Egypt.
- **Dantzii**, Potonié, 1902 A, p. 229, pl. ii, figs. 1-8.
Upper Cretaceous (?); Dutch East Africa.
- Dalbergia apiculata**, Newberry, 1895, p. 90, pl. xliii, figs. 17-19.
Amboy Clay; Woodbridge, U.S.A.
- **hyperborea**, Heer, 1882, p. 102, pl. xxvi, fig. 4 a.
Atane Beds; Greenland.
- **irregularis**, Hollick, 1906 A, p. 85, pl. xxxii, fig. 11.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **minor**, Hollick, 1906 A, p. 85, pl. xxxii, fig. 12. Ibid.
- **Rinkiana**, Heer, 1882, p. 102, pl. xxvi, figs. 1-3.
Atane Beds; Greenland.
- Dalbergiophyllum nelsonicum**, Ettingshausen, 1887 A, p. 189,
pl. vi, fig. 3. Upper Cretaceous; New Zealand.
- **phaseolitoides**, Ettingshausen, 1887 A, p. 189, pl. ix, fig. 17. Ibid.
- **rivulare**, Ettingshausen, 1887 A, p. 188, pl. vi, fig. 4. Ibid.
- Dammara acicularis**, Knowlton in Stanton & Hatcher, 1905, p. 134,
pl. xv, figs. 2-5. Judith River Beds; Montana, U.S.A.
- **borealis**, Heer, 1882, p. 54, pl. xxxviii, fig. 5.
Atane Beds; Greenland.
- ? **cliffwoodensis**, Hollick, 1898 A, p. 128, pl. xi, figs. 5-8.
Upper Cretaceous (Clay Marl); New Jersey, U.S.A.
- **macrosperma**, Heer, 1883 A, p. 17, pl. liii, fig. 11.
Patoot Beds; Greenland.
- **Mantelli**, Ettingshausen, 1887 A, p. 176, pl. vii, fig. 20.
Upper Cretaceous; New Zealand.

- Dammara microlepis**, Heer, 1882, p. 55, pl. xl, fig. 5.
Atane Beds; Greenland.
- **minor**, Hollick, 1906 A, p. 40, pl. ii, figs. 35-37. (= *Protodammara speciosa*, Hollick & Jeffrey, 1909.)
Raritan Formation; Staten Island, U.S.A.
- **northportensis**, Hollick, 1905 c, p. 405, pl. lxx, figs. 1-2.
Cretaceous Clay; Long Island, U.S.A.
- Dammarites albens**, Presl in Sternberg, 1838, p. 203, pl. lii, figs. 11, 12.
Upper Cretaceous; Balkans.
- **Bayeri**, Zeiller, 1905, p. 338, pl. vii, figs. 8-11.
Upper Cretaceous; Bulgaria.
- **caudatus**, Lesquereux, 1892, p. 32, pl. i, figs. 9, 10.
Dakota Group; Kansas, U.S.A.
- **crassipes**, Goeppert, 1842 A, p. 122, pl. liii, fig. 3.
Senonian; Silesia.
- **dubius**, Dawson, 1894, p. 56, pl. vi, fig. 8.
Upper Cretaceous; Vancouver Island, Canada.
- **emarginatus**, Lesquereux, 1892, p. 33, pl. i, fig. 11.
Dakota Group; Kansas, U.S.A.
- Dammarophyllum striatum**, Velenovsky, 1889, pp. 47 & 53.
(= *Podozamites striatus*, Velenovsky, 1885.)
Cenomanian; Bohemia.
- Danæites firmus**, Heer, 1868, p. 81, pl. xlii, & 1874 A, p. 56, pl. ix, fig. 1 a; pl. xii, figs. 1, 2.
Kome Beds; Greenland.
- **Schlotheimi**, Debey & Ettingshausen, 1859 B, p. 202, pl. iii, fig. 1.
Senonian; Aix, Rhenish Prussia.
- Daphnites Goepperti**, Ettingshausen, 1867 A, p. 253, pl. ii, fig. 8.
Cenomanian; Niederschoena, Saxony.
- Daphnogene cretacea**, Lesquereux, 1876 B, p. 343 (substituted for *Cinnamomum Scheuchzeri*, Heer, Lesquereux, 1874, p. 83, pl. xxx, figs. 2, 3).
Dakota Group; Kansas, U.S.A.
- **excellens**, Eichwald, 1865, p. 64, pl. iii, fig. 17.
Cretaceous; Russia.
- **Heerii**, Lesquereux, 1876 B, p. 343. (= *Cinnamomum Heerii*, Lesquereux, 1859.)
Dakota Group; Kansas, U.S.A.
- **primigenia**, Ettingshausen, 1867 A, p. 252, pl. i, fig. 13; pl. iii, fig. 15.
Cenomanian; Niederschoena, Saxony.
- Daphnophyllum angustifolium**, Lesquereux, 1892, p. 98, pl. xxxvi, fig. 8.
Dakota Group; Kansas, U.S.A.
- **crassinervium**, Heer, 1869 A, p. 18, pl. vii, fig. 2; pl. xi, fig. 5.
Upper Cretaceous; Moletein, Moravia.
- **dakotense**, Lesquereux, 1892, p. 99, pl. li, figs. 1-4; pl. lii, fig. 1.
Dakota Group; Kansas, U.S.A.
- **ellipticum**, Heer, 1869 A, p. 18, pl. vii, fig. 3.
Upper Cretaceous; Moletein, Moravia.
- **Fraasii**, Heer, 1869 A, p. 17, pl. vi, figs. 1, 2. Ibid.
- Davallites Richardscni**, Dawson, 1883, p. 25, pl. v, figs. 18, 18 a, 18 b.
Upper Cretaceous; Protection Island, Canada.

- Debeya affinis**, Ettingshausen, 1895, p. 46, pl. iii, figs. 21, 22.
Cretaceous; Australia.
- **australiensis**, Ettingshausen, 1893, pp. 137, 150; & 1895, p. 45, pl. iii, figs. 19, 20.
Cretaceous; Australia.
- **serrata**, Miquel, 1853, p. 38, pl. i, fig. 1. (= *Phyllites Geinitzensis*, Goeppert, 1865.)
Senonian; Limburg.
- **sp.**, Roemer, 1870, p. 354, pl. xxxix, fig. 10.
Upper Cretaceous; Upper Silesia.
- Delesseria Friedaui**, Unger, 1850, p. 29; & 1853, p. 80, pl. xxvi, fig. 2.
Upper Cretaceous; Styria.
- **incrassata**, Lesquereux, 1873, p. 374. (= *Caulerpites incrassatus*, Knowlton, 1898.)
Laramie Formation; New Mexico, U.S.A.
- **lingulata**, Lesquereux, 1873, p. 374. (= *Caulerpites lingulatus*, Knowlton, 1898.)
Ibid.
- **Reichii**, Engelhardt, 1892 A, p. 80. (= *Halysites Reichii*, Sternberg.)
Cenomanian; Niederschoena, Saxony.
- Delessertites Hampeanus**, Stiehler, 1858, p. 56, pl. xi, fig. 12.
Quadersandstein; Blankenburg, Saxony.
- **Thierensi**, Miquel, 1853, p. 54, pl. i, fig. 4. (= *Phyllites Thierensi*, Bosquet MS., Debey, 1851.)
Senonian; Limburg.
- Delgadopsis rhizostigma**, Saporta, 1894, p. 141, pl. xxiii, figs. 3, b-c; pl. xxv, figs. 1-4, 9-18; pl. xxvi, fig. 2.
Urgonian; Cercal, Portugal.
- Dermatophyllites acutus**, Heer, 1882, p. 80, pl. xlii, fig. 7.
Atane Beds; Greenland.
- **borealis**, Heer, 1874 A, p. 112, pl. xxxii, figs. 8, 8 b.
Ibid.
- Dewalquea aquisgranensis**, Saporta & Marion, 1873, p. 61, pl. viii, figs. 5-7.
Senonian; Aix, Rhenish Prussia.
- **coriacea**, Velenovsky, 1889, p. 23, pl. iv, figs. 1-6. (= *Aralia coriacea*, Velenovsky.)
Cenomanian; Bohemia.
- **dakotensis**, Lesquereux, 1892, p. 211, pl. lix, figs. 5, 6.
Dakota Group; Kansas, U.S.A.
- **gelindenensis**, Saporta & Marion, recorded Hosius & v. d. Marck, 1880, p. 174, pl. xxxiv, fig. 124.
Upper Senonian; Westphalia.
- **groenlandica**, Heer, 1882, p. 87, pl. xxix, figs. 18-19; pl. xlii, figs. 5-6; pl. xlv, fig. 11.
Atane Beds; Greenland.
- **haldemiana angustifolia**, Hosius & von der Marck, 1880, p. 173, pl. xxxiii, figs. 116, 117; pl. xxxiv, figs. 118-122.
Upper Senonian; Haldem, Westphalia.
- **haldemiana latifolia**, Hosius & von der Marck, 1880, p. 173, pl. xxxiv, fig. 115; pl. xxxv, fig. 114.
Ibid.
- **insignis**, Hosius & von der Marck, 1880, p. 172, pl. xxxii, figs. 111-113; pl. xxxiii, fig. 109; pl. xxxiv, fig. 110; pl. xxxv, fig. 123.
Ibid.
- **Nilssoni** (Nilsson), Nathorst, 1881 A, p. 83; & 1894, p. 196, text-fig. (= *Cycadites Nilssoni*, Sternberg, 1825.)
Greensand; Scania, Sweden.

- Dewalquea pentaphylla**, Velenovsky, 1886, p. 14, pl. viii, figs. 11, 12.
Cenomanian; Bohemia.
- **primordialis**, Lesquereux in Winchell, 1885, p. 77; & Lesquereux, 1895, p. 18, pl. A, fig. 10. Dakota Group; Minnesota, U.S.A.
- **Smithi**, Berry, 1910 E, p. 36, text-fig. 1.
Tuscaloosa Formation; Alabama, U.S.A.
- **trifoliata**, Newberry, 1895, p. 129, pl. xxii, figs. 4-7.
Amboy Clay; Woodbridge, U.S.A.
- Diceras cenomanicus**, Velenovsky, 1889, p. 14, pl. ii, figs. 5-7.
Cenomanian; Vyserovic, Bohemia.
- Dicksonia borealis**, Heer, 1882, p. 23, pl. xlv, fig. 2.
Atane Beds; Greenland.
- **conferta**, Heer, 1882, p. 23, pl. xxxv, figs. 5-7. Ibid.
- **groenlandica**, Heer, 1882, p. 23, pl. xxxv, figs. 8-9. Ibid.
- **microphylla**, Heer, 1878, p. 27, pl. viii, figs. 1-4.
Lower Cretaceous (?); Atyrkan, Siberia.
- **montanensis**, Fontaine in Ward, 1905, p. 286, pl. lxxi, figs. 1-4.
Kootanie Formation; Montana, U.S.A.
- **munda**, Dawson, 1886, p. 11, pl. iii, figs. 5, 5 A.
Mill Creek Series; Mill Creek, Canada.
- **pachyphylla**, Fontaine in Ward, 1905, p. 224, pl. lxx, fig. 1.
Shasta Formation; California, U.S.A.
- **ptericoides**, Ettingshausen, 1887 A, p. 175, pl. vii, figs. 4-6.
Upper Cretaceous; New Zealand.
- **punctata** (Sternberg), Heer, 1882, p. 24, pl. xlvii. (= *Protopteris punctata*, Sternberg.)
Atane Beds; Greenland.
- **tosana**, Yokoyama, 1894, p. 213, pl. xxv, figs. 13, 13 A.
Neocomian; Ryoseki, Japan.
- Dicksoniopteris Naumannii**, Nathorst, 1890, p. 11, pl. v, fig. 4.
Recorded Yokoyama, 1894, p. 214, pl. xxv, fig. 4. Ibid.
- Dicotylophyllum cerciforme**, Saporta, 1894, p. 147, pl. xxvi, fig. 14.
Urgonian; Cercal, Portugal.
- **corrugatum**, Saporta, 1894, p. 148, pl. xxvi, fig. 16. Ibid.
- **hederaceum**, Saporta, 1894, p. 148, pl. xxvi, fig. 15. Ibid.
- **lacerum**, Saporta, 1894, p. 149, pl. xxvi, fig. 3. Ibid.
- Dicropteris longifolia**, Pomel, 1849, p. 339. (= *Baiera longifolia* (Pomel), Heer, 1876.)
- Dictyophyllum Dicksoni**, Heer, 1871, p. 1181; 1874 A, p. 55, pl. iii, figs. 9, 9 b, c, d. Kome Beds; Greenland.
- **sp.**, Heer, 1878, p. 29, pl. viii, figs. 16 b, 16 c, 18.
Lower Cretaceous; Siberia.
- Dictyopteris anomala**, Saporta, 1894, p. 81, pl. xv, fig. 28.
Valanginian; Portugal.
- **infracretacea** [see *infracretacica*], Saporta, 1894, p. 99. Ibid.
- **infracretacica** (error for *infracretacea*), Saporta, 1894, p. 81, pl. xvi, fig. 20.
- **tenella**, Saporta, 1894, p. 82, pl. xv, fig. 25. Ibid.

- Didymosorus comptoniæfolius**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **comptonifolius**, Debey & Ettingshausen, 1859 B, p. 186, pl. i, figs. 1-5. (= *Zonopteris comptoniæfolia*, Debey, 1848. = *Gleichenia comptoniæfolia*, Heer, 1874 A.) Ibid.
- **gleichenioides**, Debey & Ettingshausen, 1859 B, p. 190, pl. i, figs. 10, f. Ibid.
- **varians**, Debey, 1849, p. 299; & Debey & Ettingshausen, 1859 B, p. 190, pl. i, figs. 7-9. Ibid.
- Diemenia lancifolia**, Ettingshausen, 1893, p. 149; & 1895, p. 24, pl. iii, fig. 4. Cretaceous; Australia.
- Dillenia sp.**, Otto, 1854, p. 47, pl. ix, figs. 5-7. Dippoldiswalde, Saxony.
- Dicönites borealis**, Dawson, 1883, p. 24, pl. iii, fig. 37. Lower (?) Cretaceous; North-West Territory, Canada.
- **Buchianus** (Ett.), Bornemann, 1856, p. 57 (no descript.). (= *Pterophyllum Buchianum*, Ettingshausen, 1852. Recorded from American Potomac, Fontaine, 1889.) Wealden; Silesia.
- **Buchianus abietinus** (Goeppert), Ward, 1905, p. 250, pl. lxvii, figs. 1-3 (re-naming *Pterophyllum abietinum*, Goeppert). Shasta Formation; California, U.S.A.
- **Buchianus**, var. **angustifolius**, Fontaine, 1889, p. 185, pl. lxvii, fig. 6; pl. lxviii, fig. 4; pl. lxxi, fig. 2. Potomac Formation; Virginia, U.S.A.
- **Buchianus**, var. **obtusifolius**, Fontaine, 1889, p. 184, pl. clxviii, fig. 3. Ibid.
- **Buchianus rarinervis**, Fontaine, 1894, p. 264, pl. xxvii, figs. 3, 4. Trinity Division; Texas, U.S.A.
- **columbianus**, Dawson, 1893, p. 91. (= *Cycadeospermum (Dioönites) columbianus*, Dn, 1873.) Lower Cretaceous; Queen Charlotte Island, Canada.
- **cretosus** (Reiche), Schimper, 1872, p. 211. (= *Pterophyllum cretosum*.) Cenomanian; Niederschoena, Saxony.
- **Dunkerianus** (Goeppert), Miquel. Recorded Fontaine, 1894, p. 265, pl. xxxvi, fig. 12; pl. xxxvii, fig. 1. American Trinity Division.
- Dioscorea? cretacea**, Lesquereux, 1874, p. 56, pl. xxviii, fig. 10. Dakota Group; Kansas, U.S.A.
- Diospyrophyllum provectum**, Velenovsky, 1889, pp. 50, 53. (= *Diospyros provecta*, Velenovsky, 1886.) Cenomanian; Bohemia.
- Diospyros ambigua**, Lesquereux, 1892, p. 110. (= *D. anceps*, Lx., 1874, & *Quercus anceps*, Lx., 1868.) Dakota Group; Nebraska, U.S.A.
- **amboyensis**, Berry, 1909, p. 262 (re-naming *Phyllites ellipticus*). Raritan Formation; New Jersey, U.S.A.
- **anceps**, Lesquereux, 1874, p. 89, pl. vi, fig. 6. (= *Quercus anceps*, Lesquereux, 1868, p. 96.) Dakota Group; Nebraska, U.S.A.

- Diospyros apiculata**, Lesquereux, 1892, p. 110, pl. xiv, fig. 3.
Dakota Group; Kansas, U.S.A.
- **? celastroides**, Lesquereux, 1892, p. 113, pl. xx, fig. 7.
Dakota Group; Kansas, U.S.A.
- **cretacea**, Ettingshausen, 1893, pp. 138, 150; & 1895, p. 39, pl. iii, figs. 17, 18, 24.
Cretaceous; Australia.
- **eminens**, Dawson, 1894, p. 62, pl. x, fig. 40.
Upper Cretaceous; Vancouver Island, Canada.
- **judithæ**, Knowlton in Stanton & Hatcher, 1905, p. 146, pl. xviii, figs. 4, 5; pl. xix, fig. 3. Judith River Beds; Montana, U.S.A.
- **nitida**, Dawson, 1883, p. 22, pl. iii, fig. 10.
Cretaceous; Peace River, North-West Territory, Canada.
- **primæva**, Heer in Capellini & Heer, 1867, p. 19, pl. i, figs. 6, 7.
Dakota Group; Nebraska, U.S.A.
- **prodromus**, Heer, 1874 A, p. 113, pl. xxxii, figs. 3-7; pl. xxviii, fig. 6 c. Atane Beds; Greenland.
- **provecta**, Velenovsky, 1886, p. 49, pl. xxiii, figs. 1-5, 10.
(= *Diospyrophyllum provectum*, Velenovsky, 1889.)
Cenomanian; Bohemia.
- **pseudoanceps**, Lesquereux, 1892, p. 111, pl. xxii, fig. 1; & 1895, p. 17, pl. B, fig. 6. Dakota Group; Minnesota, U.S.A.
- **rotundifolia**, Lesquereux, 1874, p. 89, pl. xxx, fig. 1.
Dakota Group; Kansas, U.S.A.
- **Schweinfurthi**, Heer, 1876 B, p. 6, figs. 1-10 (fruits).
Upper Cretaceous; Egypt.
- **Steenstrupi**, Heer, 1883 A, p. 32, pl. lxiv, fig. 1.
Patoot Beds; Greenland.
- **vancouverensis**, Dawson, 1883, p. 28, pl. viii, fig. 32.
Upper Cretaceous; Vancouver Island.
- **Wodani**, Unger, 1850 A, p. 435. Recorded American Laramie Formation, Lesquereux, 1878, p. 233, pl. lix, fig. 13.
- **sp.**, Dawson, 1894, p. 62, pl. x, fig. 41.
Cretaceous; British Columbia, Canada.
- Diphyllites membranaceus**, Heer, 1883 A, p. 45, pl. lx, fig. 4 a.
Patoot Beds; Greenland.
- Diplopora Mühlbergii**, Lorenz, 1902, p. 52, text-figs. 3-6.
Lower Cretaceous; Switzerland.
- Dipterophyllum cretaceum** (Velenovsky), Krasser, 1896, p. 123, pl. xv, fig. 7. (= *Platyocrium cretaceum*, Velenovsky).
Perucer Beds; Vyserovic, Bohemia.
- Discophorites angustilobus**, Heer, 1877, p. 145, pl. lviii, figs. 18, 19.
Neocomian; Switzerland.
- **Fischeri**, Heer, 1877, p. 145, pl. lviii, figs. 16, 17. Ibid.
- **Schneiderianus**, Geinitz, 1879, p. 113, pl. iv, fig. 1.
Neocomian(?); Caucasia.
- Dombeyopsis obtusa**, Lesquereux, 1873, p. 375; & 1878, p. 255, pl. xlvii, figs. 4, 5. Laramie Formation; Colorado, U.S.A.

- Dombeyopsis obtusiloba**, Lesquereux, 1868, p. 100. (= *Menispermites obtusiloba*, var. ?, Lesquereux, 1874.) Dakota Group; Nebraska, U.S.A.
- **platanoides**, Lesquereux, 1878 B, p. 254, pl. xlvii, figs. 1-2.
Laramie Formation; Montana, U.S.A.
- **trivialis**, Lesquereux, 1873, p. 380; & 1878 B, p. 255, pl. xlviii, fig. 3.
Laramie Formation; Colorado, U.S.A.
- Dombeyoxylon ægyptiacum**, Schenk, 1883, p. 13.
Cretaceous; Cairo, Egypt.
- Dorstenia ? sp.**, Penhallow, 1907, p. 310, text-fig. 5.
British Columbia, Canada.
- ? **Dracæna australis**, Morris MS., Goeppert in Bronn, 1849, p. 37 [nomen nudum].
Cretaceous (?); Europe.
- **Benstedti**, König MS. in Mantell, 1851, p. 49; & Mackie, 1862 B, pl. xxii. (= *Benstedtia sp.*, Seward, 1896 B.)
Lower Greensand; Maidstone.
- Dracænites Jourdei**, Marion, 1890, p. 1054 [nomen nudum].
Turonian; Martigues, France.
- Dryandra antiqua**, Ettingshausen, 1851, p. 739 (re-naming *Comptonites antiquus*, Nilsson).
Cretaceous; Sweden.
- **cretacea**, Velenovsky, 1882 B, p. 12 [nomen nudum]; & 1883, p. 1, pl. ix, figs. 1-5.
Cretaceous; Bohemia.
- **Huttoniana**, Crié, 1889, p. 79 (5) [nomen nudum].
Cretaceous; New Zealand.
- **pteroides**, Ettingshausen, 1851, p. 737, pl. xxxii, fig. 9.
Cretaceous; near Trieste.
- Dryandroides coriacea**, Velenovsky, 1882 A, p. 213 [nomen nudum].
Cretaceous; Bohemia.
- **geinoglypha**, Bayer, 1896, p. 18, text-figs. 11, 12, & p. 35.
Upper Senonian; Kieslingswalde, Bohemia.
- **haldemiana**, Hosius & von der Marck, 1880, p. 168, pl. xxxi, figs. 91-100; pl. xxxii, figs. 101-104.
Upper Senonian; Haldem, Westphalia.
- **hieraciifolia**, Debey (in litt.), see Hosius & v. d. Marck, 1880, p. 166. (= *Quercus hieraciifolia*.)
Ibid.
- **latifolius**, Ettingshausen, 1867 A, p. 257, pl. iii, fig. 10.
Cenomanian; Niederschoena, Saxony.
- (**Myrica**) **macrophylla**, Hosius & v. d. Marck, 1880, p. 169, pl. xxxii, fig. 105.
Upper Senonian; Haldem, Westphalia.
- **minor**, Feistmantel, 1874, p. 275.
Perucr Beds: Bohemia.
- **pakawauica**, Ettingshausen, 1887 A, p. 186, pl. ix, fig. 13.
Upper Cretaceous; New Zealand.
- **quercinea**, Velenovsky, 1882 A, p. 213; & 1883, p. 33, pl. x, figs. 8 a-15.
Cenomanian; Bohemia.
- **serratus**, Velenovsky, 1882 A, p. 213 [nomen nudum].
Cretaceous; Bohemia.
- **Zenkeri**, Ettingshausen, 1867 A, p. 257, pl. iii, figs. 1, 3, 11. (= *Salix fragiliformis*, Zenker, 1833.)
Cenomanian; Niederschoena, Saxony.

- Drynaria astrostigmosa**, Bayer, 1899, p. 9, pl. i, figs. 5, 6, text-figs. 4, 4 a. Perucur Beds; Bohemia.
- **dura** (Velenovsky), Bayer, 1899, p. 15, text-figs. 6, 6 a. (= *Lambertia dura*, Velenovsky, 1883.) Ibid.
- **fascia**, Bayer, 1899, p. 10, text-figs. 5, 5 a. Perucur Beds; Vyserovic, Bohemia.
- **tumulosa**, Bayer, 1899, p. 19, pl. i, figs. 1, 1 a, 2 a, 3, 4. Ibid.
- Dryophyllum Alberti-Magni**, Debey, 1881, p. 89, fig. 6 on plate. Senonian; Aix, Rhenish Prussia.
- **anceps**, Lesquereux, MS. Nebraska, U.S.A.
- **aquamarum**, Ward, 1885, p. 551, pl. xxxvii, figs. 3-5. Laramie Formation; Wyoming, U.S.A.
- **aquisgranense**, Debey, 1881, p. 88, fig. 1 on plate. Senonian; Aix, Rhenish Prussia.
- **basidentatum**, Ward, 1885, p. 551, pl. xxxvii, fig. 11. Laramie Formation; Wyoming, U.S.A.
- **Beuthianum**, Debey, 1881, p. 96, fig. 22 on plate. Senonian; Aix, Rhenish Prussia.
- **bruneri**, Ward, 1887, p. 27, pl. x, figs. 5, 6. Montana Formation; Wyoming, U.S.A.
- **campteroneurum**, Debey, 1881, p. 96. Senonian; Aix, Rhenish Prussia.
- **crenatum**, Lesquereux, 1876 A, p. 371; & 1878 B, p. 162, pl. lxii, figs. 10, 11. Montana Formation; Wyoming, U.S.A.
- **Crepini**, Debey, 1881, p. 94, fig. 18 on plate. Senonian; Aix, Rhenish Prussia.
- **cretaceum**, Debey, 1881, p. 88, figs. 2-5 on plate. Ibid.
- **Dethimusianum**, Debey, 1881, p. 95, fig. 20 on plate. Ibid.
- **elongatum**, Dawson, 1894, p. 58, pl. vii, fig. 20. Upper Cretaceous; Vancouver Island, Canada.
- **Eodrys**, Debey, 1881, p. 94, fig. 19 on plate. Senonian; Aix, Rhenish Prussia.
- **exiguum**, Debey, 1881, p. 95, fig. 21 on plate. Ibid.
- **falcatum**, Ward, 1885, p. 551, pl. xxxvii, fig. 10. Laramie Formation (?); Wyoming, U.S.A.
- **gracile**, Debey, 1881, p. 90, figs. 10-11 on plate. Senonian; Aix, Rhenish Prussia.
- **Heeri**, Debey, 1881, p. 89, figs. 7, 8 on plate. Ibid.
- (*Quercus*) **Holmesii**, Lesquereux, 1883, p. 38, pl. iv, fig. 8. (= *Quercus Holmesii*, Lesquereux, 1892.) Dakota Group (?); Colorado, U.S.A.
- (*Quercus*) **latifolium**, Lesquereux, 1876 A, p. 393; & 1876 B, p. 340, pl. vi, fig. 1. Dakota Group; Kansas, U.S.A.
- **Lerschianum**, Debey, 1881, p. 93, figs. 15-16 on plate. Senonian; Aix, Rhenish Prussia.
- **Lesquereuxianum**, Debey, 1881, p. 93, fig. 17 on plate. Ibid.
- **Lesquereuxii**, Ettingshausen, 1893, p. 148; & 1895, p. 16, pl. i, fig. 30. Cretaceous; Australia.

- Dryophyllum Neillianum**, Dawson, 1894, p. 58, pl. vii, fig. 19.
Upper Cretaceous; Vancouver Island, Canada.
- **Nelscnicum**, Ettingshausen, 1887 A, p. 182, pl. viii, figs. 11, 11 a.
Upper Cretaceous; New Zealand.
- **occidentale**, Dawson, 1894, p. 58, pl. vii, figs. 17, 18. (Re-named by Knowlton, 1898, *Quercus* (?) *Dryophyllum occidentale*.)
Upper Cretaceous; Vancouver Island, Canada.
- **primordiale**, Lesquereux, 1883, p. 37. (= *Quercus primordialis*, 1868.)
Dakota Group; Kansas, U.S.A.
- **regaliaquense**, Debey, 1881, p. 92, figs. 12-14 on plate.
Senonian; Aix, Rhenish Prussia.
- (**Quercus**) **salicifolium**, Lesquereux, 1876 A, p. 399; & 1876 B, p. 340, pl. viii, fig. 2. Dakota Group (?); Colorado, U.S.A.
- **subfalcatum**, Lesquereux, 1876 c, p. 379.
Laramie Formation; Wyoming, U.S.A.
- **tenuifolium**, Debey, 1881, p. 90, fig. 9 on plate.
Senonian; Aix, Rhenish Prussia.
- **westphaliense**, Saporta, 1867, p. 35.
Quadersandstein; Haldem, Westphalia.
- **sp.**, Dawson, 1894, p. 58, pl. xii, fig. 59.
Upper Cretaceous; Vancouver Island, Canada.
- (**Dryophanes**) **sp.**, Debey, 1881, p. 97, figs. 23-26 on plate.
Quadersandstein; Aix, Rhenish Prussia.
- Dryopteris angustipinnata** (Font.), Knowlton, 1898, p. 91 (re-naming *Aspidium angustipinnatum*, Fontaine, 1889).
Potomac Formation; Virginia, U.S.A.
- **angustipinnata montanense** (Font.), Knowlton, 1898, p. 91 (re-naming *Aspidium angustipinnata montanense*, Fontaine, 1893).
Kootanie Formation; Montana, U.S.A.
- **duttoniana**, Knowlton, 1900 A, p. 4 [nomen nudum].
Montana Formation; Wyoming, U.S.A.
- **Kennerleyi** (Newberry), Knowlton, 1898, p. 92 (re-naming *Aspidium Kennerlyi*, Newberry, 1863).
Upper Cretaceous; Vancouver Island.
- ? **kootaniensis**, Knowlton, 1907, p. 111, pl. xi, figs. 4, 4 A.
Kootanie Formation; Montana, U.S.A.
- **Oerstedii** (Heer), Knowlton, 1898, p. 92 (re-naming *Aspidium Oerstedii*, Heer, 1882).
Atane Beds; Greenland.
- **spp.**, Knowlton, 1898, pp. 91-93, re-naming various species of *Aspidium*.
- Echinostrobus minor**, Velenovsky, 1889, p. 10, pl. i, figs. 11, 12, 15.
Cenomanian; Vyserovic, Bohemia.
- **squammosus**, Velenovsky, 1885, p. 16, pl. vi, figs. 3, 6, 7, 8.
Ibid.
- Elæodendron marylandicum**, Berry, 1910 n, p. 24, pl. viii, fig. 1.
Magothy Formation; Maryland, U.S.A.

- Elæodendron priscum**, Ettingshausen, 1893, p. 150; & 1895, p. 48,
pl. iv, fig. 6. Cretaceous; Australia.
- **speciosum**, Lesquereux, 1892, p. 175, pl. xxxvi, figs. 2, 3.
Dakota Group; Kansas, U.S.A.
- **strictum**, Hollick, 1906 A, p. 89, pl. xxxiii, fig. 6.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **sp.**, Hollick, 1906 A, p. 89, pl. xxxiii, fig. 7.
Cretaceous; Long Island, U.S.A.
- Elate oblonga**, Unger, 1845, p. 199. (= *Abies oblonga*, Lindley &
Hutton, 1835.)
- Elatoxylon Withamii**?, Hartig, 1848, p. 168.
Quadersandstein; Quedlinburg, Saxony.
- Eleoxylon cretaceum**, Brongniart, 1849 A, pp. 76, 111. (= *Pinus*
cretacea, Corda.) Cretaceous; Bohemia.
- Embothrites? daphneoides**, Lesquereux, 1883, p. 51. (= *Embo-*
thrium? daphneoides, Lesquereux, 1874.)
- Embothrium? daphneoides**, Lesquereux, 1874, p. 87, pl. xxx, fig. 10.
Dakota Group Kansas, U.S.A.
- Encephalartopsis nervosa**, Fontaine, 1889, p. 174, pl. lxx, fig. 4;
pl. lxxi, figs. 3, 4; pl. lxxii, figs. 3, 4.
Potomac Formation; Virginia, U.S.A.
- Encephalartos cretaceus**, Lesquereux, 1892, p. 29, pl. i, fig. 12.
Dakota Group; Kansas, U.S.A.
- Eolirion lusitanicum**, Saporta, 1894, p. 180, pl. xxxiv, figs. 2-3.
Albian; Portugal.
- **? nervosum**, Hosius & von der Marck, 1880, p. 143, pl. xxvi,
fig. 24. Upper Senonian; Haldem, Westphalia.
- **primigenium**, Schenk, 1871 A, p. 20, pl. vii, fig. 4.
Urgonian; Grodisslit, Austrian Silesia.
(Recorded Heer, 1874 A, pl. xxiv, figs. 1-3, Greenland.)
- **subfalcatum**, Hosius & von der Marek, 1880, p. 142, pl. xxvi,
fig. 23. Upper Senonian; Westphalia.
- **sp.?**, Hosius & von der Marck, 1880, p. 182, pl. xxxvii, fig. 150.
Lower Senonian; Westphalia.
- Ephedrites baccatus**, Marik, 1901, p. 14, pl. ii, fig. 3.
Cenomanian; Bohemia.
- **? vernonensis**, Fontaine in Ward, 1905, p. 495, pl. cvii, fig. 8.
Lower Potomac Formation; Virginia, U.S.A.
- Equisetites annularioides**, Heer, 1874 A, p. 61, pl. xiii, fig. 9.
Kome Beds; Greenland.
- **Burchardti**, Dunker, 1846, p. 2, pl. v, fig. 7. Wealden.
(Recorded from Urgonian of Portugal, etc.)
- **grönlandicus**, Heer, 1874 A, p. 61, pl. xiii, fig. 10.
Kome Beds; Greenland.
- **inæqualis**, Eichwald, 1861, p. 310. Greensand; Russia.
- **notabilis**, Eichwald, 1865, p. 34, pl. iv, fig. 7. Neocomian; Russia.
- **peruanus**, Neumann, 1907, p. 78, pl. ii, figs. 1, 2.
Neocomian; Peru.

- Equisetites?** *sp.*, Jasche, 1858, p. 93, pl. iv, fig. 3.
Quadersandstein; Prussian Saxony.
- Equisetum amissum**, Heer, 1874 A, p. 60, pl. xiii, figs. 2-8; pl. xxii, figs. 11 b, c.
Kome Beds & Atane Beds; Greenland.
- **arenarium**, Hampe, 1852, p. 7 [nomen nudum].
Quadersandstein; Blankenburg, Saxony.
- **Burchardti**, Dunker. (= *Equisetites Burchardti*, Dunker, 1846.)
- **Heerii**, Schenk, 1876, p. 165, pl. xxix, fig. 1.
Upper Cretaceous; Brandenburg, Tyrol.
- **Lyelli**, Mantell, 1833, p. 245, text-figs. 1-3.
Wealden; Tilgate Forest.
(Recorded from American Potomac, Fontaine, 1889.)
- **marylandicum**, Fontaine, 1889, p. 65, pl. ii, fig. 10.
Potomac Formation; Maryland, U.S.A.
- **maximum**, Hampe, 1852, p. 7 [nomen nudum].
Quadersandstein; Blankenburg, Saxony.
- **montanense**, Fontaine in Weed & Pirsson, 1898, p. 481.
Judith River Formation; Montana, U.S.A.
- **nodosum**, Lesquereux, 1883, p. 25.
Dakota Group; Kansas, U.S.A.
- **robustum**, Newberry, 1863, p. 513; & 1893, p. 15, pl. xvi, figs. 1, 2.
Tertiary & Cretaceous; Washington, U.S.A.
- **texense**, Fontaine, 1894, p. 263, pl. xxxvi, fig. 1.
Trinity Division; Texas, U.S.A.
- **virginicum**, Fontaine, 1889, p. 63, pl. i, figs. 1-6, 8; pl. ii, figs. 1-3, 6, 7, 9.
Potomac Formation; Virginia, U.S.A.
- **Zeilleri**, Richter, 1905, p. 7, pl. i, figs. 2, 12.
Quadersandstein; Quedlinburg, Saxony.
- **sp.?**, Fontaine, 1889, p. 65, pl. ii, fig. 8.
Potomac Formation; Virginia, U.S.A.
- **sp.**, Heer, 1874 A, p. 124, pl. xxxviii, fig. 8. Cretaceous; Spitzbergen.
- Eremophyllum fimbriatum**, Lesquereux, 1874, p. 107, pl. viii, fig. 1.
(= *Ficus? fimbriata*, Lesquereux, 1868.)
Dakota Group; Nebraska, U.S.A.
- Etheridgea subglobosa**, Ettingshausen, 1893, pp. 141-150; & 1895, p. 46, pl. iv, fig. 3.
Cretaceous; Australia.
- Ettingshausenia cuneifolia**, Stiehler, 1858, p. 67. (= *Credneria cuneifolia*, Bronn.)
Cenomanian; Niederschoena, Saxony.
- **cuneiformis**, Krasser, 1889, p. 34; & 1896, p. 116 [nomen nudum].
Cenomanian; Kunitadt, Moravia.
- **expansa**, Stiehler, 1858, p. 67. (= *Credneria expansa*, Brongniart, 1849 A.)
Cenomanian; Niederschoena, Saxony.
- **Geinitziana**, Stiehler, 1858, p. 67. (= *Credneria Reichi*, Geinitz, and *C. Geinitziana*, Unger.)
Ibid.
- **grandidentata**, Stiehler, 1858, p. 67. (= *Credneria grandidentata*, Unger, 1849.)
Ibid.
- **irregularis**, Krasser, 1889, p. 34; & 1896, p. 116 [nomen nudum].
Cenomanian; Kunitadt, Moravia.

- Ettingshausenia moravica**, Krasser, 1896, p. 116 [nomen nudum].
Cretaceous; Moravia.
- **pseudo-Guillermæ**, Krasser, 1889, p. 34; & 1896, p. 116 [nomen nudum].
Cenomanian; Kunstadt, Moravia.
- **reticulata**, Stiehler, 1858, p. 67. (= *Credneria reticulata*, Eichwald, 1853.)
Neocomian; Kursk, Russia.
- **spathulata**, Stiehler, 1858, p. 67. (= *Credneria spathulata*, Eichwald, 1853.)
Ibid.
- **Sternbergi**, Stiehler, 1858, p. 67. (= *Credneria Sternbergii*, Brongniart, 1849 A.)
Cenomanian; Teschen, Bohemia.
- **tremulæfolia**, Stiehler, 1858, p. 67. (= *Credneria tremulæfolia*, Brongniart, 1849 A.)
Cenomanian; Niederschoena, Saxony.
- **venulosa**, Stiehler, 1858, p. 67. (= *Credneria venulosa*, Eichwald, 1853.)
Neocomian; Kursk, Russia.
- **sp.**, Meek & Hayden, 1859 c, p. 222, text-fig. 3.
Lower Cretaceous; Kansas, U.S.A.
- Eucalyptophyllum oblongifolium**, Fontaine, 1889, p. 325, pl. clxii, fig. 4.
Potomac Formation; Virginia, U.S.A.
- Eucalyptus angusta**, Velenovsky, 1887, p. 64, pl. xxvi, figs. 2-12.
(= *E. angustus*, Velenovsky, 1889, p. 21, pl. vi, fig. 1.)
Cenomanian; Vyserovic, Bohemia.
- ? **angustifolia**, Newberry, 1895, p. 111, pl. xxxii, figs. 1, 6, 7.
Amboy Clay; South Amboy, New Jersey, U.S.A.
- ? **attenuata**, Newberry, 1895, p. 111, pl. xvi, figs. 2, 3, 5. (= *Ficus daphnogenoides*, Berry.)
Ibid.
- **baldemiana**, Debey in Hosius & v. d. Marck, 1880, p. 174. (Misprint (?) for *E. haldemiana*.)
- **borealis**, Heer, 1882, p. 94, pl. xl, figs. 3, 4; pl. xlvi, fig. 14.
Atane Beds; Greenland.
- **Chcoffati**, Saporta, 1894, p. 207, pl. xxxvii, fig. 1.
Upper Albian; Portugal.
- **cretacea**, Ettingshausen, 1893, p. 150; & 1895, p. 48, pl. iv, figs. 7, 8.
Cretaceous; Australia.
- **dakotensis**, Lesquereux, 1892, p. 137, pl. xxxvii, figs. 14-19.
Dakota Group; Kansas, U.S.A.
- **Davidsoni**, Ettingshausen, 1893, p. 150; & 1895, p. 49, pl. iv, fig. 10.
Cretaceous; Australia.
- ? **dubia**, Berry (*non* Ettingshausen, 1887), 1905 B, p. 87, pl. lii, fig. 1.
(= *Eucalyptus Wardiana*, Berry, 1905 A.)
Matawan Formation; New Jersey, U.S.A.
- **Geinitzi**, Heer, 1882, p. 93, pl. xix, fig. 1 c; pl. xlv, figs. 4-9; pl. xlvi, figs. 12, 13. (= *Myrtophyllum Warderi*, Lesquereux, 1892, = *M. Geinitzi*, Heer.)
Atane Beds; Greenland.
- **Gouldii**, Ward, 1897 A, p. 576, text-figs. 1, 2, p. 577.
Dakota Group; Kansas, U.S.A.
- **haldemiana**, Debey in Hosius & von der Marck, 1880, p. 174, pl. xxxv, figs. 125-128.
Upper Senonian; Westphalia.
- **inæquilatera**, von der Marck, 1864, p. 77, pl. xiii, fig. 1. Ibid.

- Eucalyptus latifolia**, Hollick, 1906 A, p. 97, pl. xxxvi, figs. 1-5.
Middle Cretaceous; Long Island, U.S.A.
- **linearifolia**, Berry, 1907, p. 203 (re-naming *Eucalyptus nervosa*, Newberry).
Middle Cretaceous; N. Carolina, U.S.A.
- ? **nervosa**, Newberry MS. in Hollick, 1894 A, p. 56, pl. clxxiv, fig. 10; & in Newberry, 1895, p. 112, pl. xxxii, figs. 3, 4, 5, 8.
(= *Eucalyptus linearifolia*, Berry, 1907.)
Amboy Clay; Long Island, U.S.A.
- **oxleyana**, Ettingshausen, 1893, p. 150; & 1895, p. 49, pl. iv, fig. 9.
Cretaceous; Australia.
- ? **parvifolia**, Newberry, 1895, p. 112, pl. xxxii, figs. 9, 10.
Amboy Clay; South Amboy, New Jersey, U.S.A.
- **proto-Geinitzii**, Saporta, 1894, p. 206, pl. xxxvi, fig. 16; pl. xxxvii, fig. 11.
Upper Albian; Portugal.
- **rosieriana**, Ward, 1905, p. 530, pl. cxiii, figs. 9, 10.
Older Potomac Formation; Maryland, U.S.A.
- **Schübleri** (Heer), Hollick, 1906 A, p. 96, pl. xxxvi, fig. 6.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **scoliophylla**, Ettingshausen, 1893, p. 150; & 1895, p. 49, pl. iv, figs. 12, 13.
Cretaceous; Australia.
- **Wardiana**, Berry, 1905 A, p. 47. (= *Eucalyptus dubia*, Berry, 1905 B, non Ettingshausen.) Middle Cretaceous; New Jersey, U.S.A.
- **warraghiana**, Ettingshausen, 1893, p. 150; & 1895, p. 50, pl. iv, fig. 11.
Cretaceous; Australia.
- **sp.**, Krasser, 1896, p. 116, pl. xii, fig. 3.
Cenomanian; Kunstadt, Moravia.
- Eugenia primæva**, Lesquereux, 1892, p. 137, pl. liii, figs. 5-9.
Dakota Group; Kansas, U.S.A.
- Eugeinitzia proxima**, Hollick & Jeffery, 1909, p. 43, pl. x, fig. 10; pl. xxv, figs. 1-3.
Raritan Formation; Staten Island, U.S.A.
- Euonyminium Auerbachi**, Mercklin, 1855, p. 23, pl. i, fig. 3; pl. iii.
Greensand; Russia.
- Euphorbiophyllum antiquum**, Saporta & Marion, 1885, p. 117, text-fig. 125 c, e.
Turonian; France.
- **primordiale**, Saporta, 1894, p. 218, pl. xxxix, fig. 23.
Cenomanian; Portugal.
- Eurysaxis squamosa** (Heer), Schulze, 1888, p. 18. (= *Cunninghamites squamosus*, Heer.)
Senonian; Altenburg.
- Fagophyllum nervosum**, Dawson, 1894, p. 58, pl. vii, fig. 16.
Upper Cretaceous; Vancouver Island, Canada.
- **retosum**, Dawson, 1894, p. 57, pl. vii, fig. 15.
Ibid.
- Fagoxylon hokkaidense**, Stopes & Fujii, 1910, pp. 64-66, pl. vii, figs. 50-53.
Upper Cretaceous; Hokkaido, Japan.
- Fagus cretacea**, Newberry, 1870, p. 23; & 1878, pl. ii, fig. 3; & 1898, p. 68, pl. i, fig. 3.
Dakota Group; Kansas, U.S.A.
- **leptoneura**, Ettingshausen, 1893, p. 134; & 1895, p. 20, pl. ii, fig. 9.
Cretaceous; Australia.

- Fagus Nelsonica**, Ettingshausen, 1887 A, p. 183, pl. ix, figs. 9, 9 a.
Upper Cretaceous; New Zealand.
- **orbiculata**[-um], Lesquereux, 1892, p. 51, pl. xlvii, fig. 6.
Dakota Group; Kansas, U.S.A.
- **polyclada**, Lesquereux, 1868, p. 95; & 1874, p. 67, pl. v, fig. 6.
Dakota Group; Nebraska, U.S.A.
- **præ-ninnisiana**, Ettingshausen, 1893, p. 135; & 1895, p. 21,
pl. ii, figs. 1-5. Cretaceous; Australia.
- **præ-ulmifolia**, Ettingshausen, 1893, p. 137; & 1895, p. 21, pl. ii,
figs. 6-8. Ibid.
- **prisca**, Ettingshausen, 1867 A, p. 249, pl. ii, figs. 3, 3 b.
Cenomanian; Niederschoena, Saxony.
- **producta**, Ettingshausen, 1887 A, p. 183, pl. ix, fig. 1.
Upper Cretaceous; New Zealand.
- **proto-nucifera**, Dawson, 1883, p. 21, pl. ii, figs. 6 & 6 a. [Isolated
leaf, and also fruit given the same name.]
Cretaceous; Peace River, North-West Territory, Canada.
- Fasciculites ambiguus**, Eichwald, 1865, p. 71, pl. v, fig. 7.
Neocomian; Moscow, Russia.
- **grœnlandicus**, Heer, 1868, p. 85, pl. xlv, fig. 23.
Kome Beds; Greenland.
- **ovata**, Stenzel, 1872, p. 72 [nomen nudum].
- **varians**, Unger, 1850 A, p. 339. (= *Palmacites varians*, Corda, 1846.)
Cretaceous; Bohemia.
- Fasciostelopteris Tansleii**, Stopes & Fujii, 1910, pp. 10-15, pl. i,
fig. 7; pl. ii, figs. 2, 3; text-fig. 4.
Upper Cretaceous; Hokkaido, Japan.
- Fegonium dryandræforme**, Vater, 1884, p. 838, pl. xxviii, figs. 7-10.
Lower Senonian (?); Brunswick.
- **Schenki**, Vater, 1884, p. 839, pl. xxviii, figs. 11-14. Ibid.
- Feildeniopsis crassinervis**, Fontaine, 1889, p. 205, pl. lxxv, fig. 5.
Potomac Formation; Virginia, U.S.A.
- Feistmantelia oblonga**, Ward, 1899 B, p. 693, pl. clxix, fig. 19.
Lower Cretaceous; Black Hills, U.S.A.
- **virginica**, Fontaine in Ward, 1905, p. 484, pl. cvii, fig. 3.
Older Potomac Formation; Virginia, U.S.A.
- Ficophyllum crassinerve**, Fontaine, 1889, p. 291, pl. cxliv, fig. 3;
pl. cxlv, fig. 3; pl. cxlvi, fig. 1; pl. cxlvii, fig. 4; pl. cxlviii, figs. 1,
2, 4; pl. clvii, fig. 4; pl. clxxiii, fig. 10.
Potomac Formation; Virginia, U.S.A.
- **eucalyptoides**, Fontaine, 1889, p. 294, pl. cxliv, figs. 1-2. Ibid.
- **serratum**, Fontaine, 1889, p. 294, pl. cxlv, fig. 2; pl. cxlix, fig. 9.
Ibid.
- **tenuinerve**, Fontaine, 1889, p. 292, pl. cxl, fig. 3; pl. cxli, fig. 2;
pl. cxlv, figs. 1, 4; pl. cxlvii, fig. 2; pl. cxlix, figs. 1, 3, 5; pl. clvi,
fig. 1. Ibid.
- Ficoxylon cretaceum**, Schenk, 1883, p. 14, pl. v, figs. 17-19.
Cretaceous; Cairo, Egypt.

- Ficus aligera**, Lesquereux, 1892, p. 84, pl. x, figs. 3-6. (Re-named *Citrophyllyum aligerum*, Berry, 1909.)
Dakota Group; Kansas, U.S.A.
- **angulata**, Hosius & von der Marck, 1880, p. 166, pl. xxxi, fig. 89.
Upper Senonian; Haldem, Westphalia.
- ? **angustata**, Lesquereux, 1883, p. 47.
Dakota Group; Kansas, U.S.A.
- **angustifolia**, Hosius, 1870 A, p. 99, pl. xv, figs. 21-22.
Senonian; Legden, Westphalia.
- **arenacea brevipetiolata**, Lesquereux, 1878 B, p. 195, pl. xxix, figs. 2, 5.
Laramie Formation; Wyoming, U.S.A.
- ? **arctica**, Heer, 1883 A, p. 26, pl. lxx, fig. 4.
Patoot Beds; Patoot, Greenland.
- **asarifolia**, Ettingshausen, 1867 B, p. 156, pl. xxv, figs. 2, 3, 6.
Tertiary; Priesen.
(Recorded by Lesquereux from Montana Formation, U.S.A.)
- **asarifolia minor**, Lesquereux, 1876 C, p. 367.
Montana Formation; Wyoming, U.S.A.
- **atavina**, Heer, 1882, p. 69, pl. xi, figs. 5 b, 7 b, 8 b; pl. xvii, fig. 8 b;
pl. xix, fig. i b; pl. xx, figs. 1, 2. (= *Ficus protogaea*, Heer, 1874 A.)
Atane Beds; Greenland.
- **austiniana**, Lesquereux in Winchell, 1885, p. 76; & Lesquereux, 1895, p. 14, pl. A, fig. 5.
Dakota Group; Minnesota, U.S.A.
- **Beckwithii**, Lesquereux, 1883, p. 46, pl. xvi, fig. 5; pl. xvii, figs. 3, 4.
Dakota Group; Colorado, U.S.A.
- **Berthoudi**, Lesquereux, 1892, p. 78, pl. xii, fig. 3 (pre-occupied name, see *F. Lesquereuxii*, Kn.).
Dakota Group; Kansas, U.S.A.
- **bumelioides**, Ettingshausen, 1867 A, p. 251, pl. ii, fig. 6.
Cenomanian; Niederschoena, Saxony.
- **Cecropiæ-lobus**, Bayer, 1893, pp. 15, 41, fig. 12; & Bayer in Fritsch, 1893, p. 130, text-figs. 1 & 4.
Senonian; Priesen, Bohemia.
- **contorta**, Dawson, 1894, p. 60, pl. ix, fig. 31.
Upper Cretaceous; Vancouver Island, Canada.
- ? **corylifolius**, Lesquereux, 1873, p. 394 [nomen nudum].
Laramie Formation(?); Wyoming, U.S.A.
- **crassinervis**, Hosius, 1870 A, p. 99, pl. xvi, figs. 25-26.
Senonian; Legden, Westphalia.
- **crassipes**, Heer, 1882, p. 70, pl. xvii, fig. 9 a; pl. xxiv, figs. 1, 2; pl. xlii, fig. 2 c; pl. xliii, figs. 4-6; pl. xlvi, fig. 15. (= *Proteoides crassipes*, Heer, 1874 A.)
Atane Beds; Greenland.
- **cretacea**, Hosius, 1870 A, p. 99, pl. xv, figs. 19-20.
Senonian; Legden, Westphalia.
- ? **cuneatus**, Newberry, 1863, p. 524.
Cretaceous(?); Washington State, U.S.A.
- **daphnogenoides** (Heer), Berry, 1905 B, p. 329, pl. xxi. (= *Proteoides daphnogenoides*, Heer in Capellini & Heer, 1867.)
Middle Cretaceous; Maryland, U.S.A.

- Ficus deflexa**, Lesquereux, 1892, p. 80, pl. iii, fig. 13; pl. xvi, fig. 3.
Dakota Group; Kansas, U.S.A.
- **densinervis**, Hosius & von der Marck, 1880, p. 135, pl. xxv, figs. 10, 11, 12.
Upper Senonian; Westphalia.
- **dentata**, Hosius, 1870 A, p. 100, pl. xvi, fig. 27.
Senonian; Legden, Westphalia.
- **distorta**, Lesquereux, 1876 A, p. 393; & 1876 B, p. 342, pl. v, fig. 5.
Dakota Group; Kansas, U.S.A.
- **elongata**, Hosius (*non* Velenovsky), 1870 A, p. 98, pl. xiv, figs. 15-16.
Senonian; Legden, Westphalia.
- **elongata**, Velenovsky (*non* Hosius), 1882 A, p. 213; & 1883, p. 40, pl. xii, fig. 4.
Cenomanian; Bohemia.
- ? **fimbriatus**, Lesquereux, 1868, p. 96. (= *Eremophyllum fimbriatum*, Lesquereux, 1874.)
Dakota Group; Nebraska, U.S.A.
- **fracta**, Velenovsky, 1887, p. 71, pl. xxxi, fig. 15.
Cenomanian; Kieslingswalde.
- **Fredericksburgensis**, Fontaine, 1889, p. 295, pl. cxlviii, figs. 3, 5.
Potomac Formation; Virginia, U.S.A.
- **Geinitzii**, Ettingshausen, 1867 A, p. 250, pl. ii, figs. 7, 9-11.
Cenomanian; Niederschoena, Saxony.
- **Glascoena**, Lesquereux, 1883, p. 48.
Dakota Group; Kansas, U.S.A.
- **gracilis**, Hosius, 1870 A, p. 99, pl. xv, figs. 23-24.
Senonian; Legden, Westphalia.
- ? **halliana**, Lesquereux, 1874, p. 68, pl. xxviii, figs. 3, 9.
Dakota Group; Minnesota, U.S.A.
- **Haydenii**, Lesquereux, 1873, p. 394; & 1878 B, p. 197, pl. xxx, fig. 1.
Laramie Formation; Wyoming, U.S.A.
- **Hellandiana**, Heer, 1882, p. 70, pl. xxxvii, fig. 8.
Atane Beds; Greenland.
- **hesperia**, Knowlton, 1900 A, p. 45, pl. ix, fig. 5.
Montana Formation; Wyoming, U.S.A.
- **inæqualis**, Lesquereux, 1892, p. 82, pl. xlix, figs. 6-8; pl. i, fig. 3.
Dakota Group; Kansas, U.S.A.
- **incompleta**, Knowlton, 1900 A, p. 46, pl. ix, fig. 2.
Montana Formation; Wyoming, U.S.A.
- **ipswichiana**, Ettingshausen, 1895, p. 22, pl. ii, fig. 12.
Cretaceous; Australia.
- **Ipswichii**, Ettingshausen, 1893, p. 137.
Ibid.
- **irregularis**, Lesquereux, 1876 C, p. 368; & 1878 B, p. 196, pl. xxxiv, figs. 4-7; pl. lxiii, fig. 9. (= *Ulmus? irregularis*, Lx., 1873.)
Montana Formation; Wyoming, U.S.A.
- **Krausiana**, Heer, 1869 A, p. 15, pl. v, figs. 3-6.
Upper Cretaceous; Moletein, Moravia.
- **lanceolato-acuminata**, Ettingshausen, 1872, p. 182, pl. vi, figs. 3, 4. (Recorded Lesquereux, 1892, American Dakota.)
Tertiary; Sagor, Croatia.

- Ficus laurifolia**, Hosius & von der Marck, 1880, p. 136, pl. xxv, fig. 13.
Upper Senonian; Westphalia.
- **laurophylla**, Lesquereux, 1876 B, p. 342, pl. v, fig. 7 (substituted for *Laurophyllum reticulatum*). Dakota Group; Dakota, U.S.A.
- **laurophyllidia**, Dawson, 1894, p. 60, pl. x, fig. 37.
Upper Cretaceous; Vancouver Island, Canada.
- **Lesquereuxii**, Knowlton, 1898, p. 102 (re-naming *Ficus Berthoudi*, Lx., 1892). Dakota Group; Kansas, U.S.A.
- **longifolia**, Hosius, 1870 A, p. 99, pl. xv, figs. 17-18.
Senonian; Legden, Westphalia.
- **macrophylla**, Lesquereux, 1892, p. 76, pl. xi, fig. 1.
Dakota Group; Kansas, U.S.A.
- **magnoliæfolia**, Lesquereux, 1883, p. 47, pl. xvii, figs. 5-6. Ibid.
- **maxima**, Dawson, 1883, p. 21, pl. ii, fig. 5.
Upper Cretaceous; North-West Territory, Canada.
- **melanophylla**, Lesquereux, 1892, p. 83, pl. i, fig. 2.
Dakota Group; Kansas, U.S.A.
- **missouriensis**, Knowlton, 1900 A, p. 12, pl. i, fig. 5.
Montana Formation; Coal Banks, U.S.A.
- **Mohlana**, Heer, 1869 A, p. 15, pl. v, fig. 2.
Upper Cretaceous; Moletain, Moravia.
- **montana**, Knowlton, 1900 A, p. 48, pl. xi, figs. 2, 3; pl. xii, fig. 1.
Montana Formation; Wyoming, U.S.A.
- **Mudgei**, Lesquereux, 1892, p. 83, pl. xii, fig. 4.
Dakota Group; Kansas, U.S.A.
- **myricoides**, Hollick in Newberry, 1895, p. 71, pl. xxxii, fig. 18; pl. xli, figs. 8, 9. (?) Amboy Clay; New Jersey, U.S.A.
- **neurocarpa**, Hollick, 1903, p. 105, text-fig. B, 1, p. 104.
Dakota Group; Kansas, U.S.A.
- **oblanceolata**, Lesquereux, 1873, p. 387 (re-named *Pistacia oblanceolata*, Knowlton, 1898).
Laramie Formation; Wyoming, U.S.A.
- **ovata**, Newberry, 1895, p. 70, pl. xxiv, figs. 1-3 (re-named *Ficus ovatifolia*, Berry, 1909). Amboy Clay; New Jersey, U.S.A.
- **ovatifolia**, Berry, 1909, p. 253 (re-naming *Ficus ovata*, Newberry, 1895). Raritan Formation; New Jersey, U.S.A.
- **pedunculata**, Feistmantel, 1874, p. 276.
Perucer Beds; Niederschoena, Saxony; and Bohemia.
- **Peruni**, Velenovsky, 1883, p. 41, pl. xii, figs. 1-3.
Cenomanian; Bohemia.
- **planicostata**, Lesquereux, 1873, p. 393; & Knowlton, 1900 A, p. 52, pl. x, fig. 4. Montana Formation; Wyoming, U.S.A.
- **planicostata latifolia**, Lesquereux, 1873, p. 393; & 1878 B, p. 202, pl. xxxi, fig. 9. Laramie Formation; Wyoming, U.S.A.
- **populoides**, Knowlton, 1900 A, p. 44, pl. viii, fig. 3.
Montana Formation; Wyoming, U.S.A.
- **præcursor**, Lesquereux, 1892, p. 81, pl. xlix, fig. 5.
Dakota Group; Kansas, U.S.A.

- Ficus primordialis**, Heer in Capellini & Heer, 1867, p. 16, pl. iii, fig. 1.
Dakota Group; Nebraska, U.S.A.
- **problematica**, Knowlton, 1900 A, p. 46, pl. ix, fig. 3.
Montana Formation; Wyoming, U.S.A.
- **proteoides**, Lesquereux, 1892, p. 77, pl. xii, fig. 2. (= *Ficus daphnogenoides* (Heer), Berry, 1905 B.)
Dakota Group; Kansas, U.S.A.
- **prctogaea**, Ettingshausen (*non* Heer), 1867 A, p. 249, pl. ii, fig. 5.
Cenomanian; Niederschoena, Saxony.
- **protogaea**, Heer (*non* Ettingshausen), 1871, p. 1183; & 1874 A, p. 108, pl. xxx, figs. 1-3; pl. xxix, fig. 2 b. (= *Ficus atavina*, Heer, 1882.)
Atane Beds; Greenland.
- **reticulata** (Lesquereux), Hollick in Newberry, 1898, p. 88, pl. xxii, figs. 2-3 re-naming *Laurophyllum reticulatum*, Lx., 1873).
Dakota Group; Kansas, U.S.A.
- **Reuschii**, Hosius, 1870 A, p. 95, pl. xiv, figs. 13-14.
Senonian; Legden, Westphalia.
- **Reussii**, Ettingshausen in Reuss, 1854, p. 740 [nomen nudum].
Cenomanian; Moletein, Moravia.
- **rhamnoides**, Knowlton, 1900 A, p. 47, pl. x, figs. 1-3; pl. xi, fig. 1.
Montana Formation; Wyoming, U.S.A.
- ? **rhomboides**, Lesquereux, 1888, p. 96.
Dakota Group; Nebraska, U.S.A.
- **rotundata**, Dawson, 1894, p. 60, pl. ix, figs. 32, 33 a.
Upper Cretaceous; Vancouver Island, Canada.
- **sapindifolia**, Hollick, 1905 C, p. 411, pl. lxxviii, fig. 5.
Cretaceous Clay; Long Island, U.S.A.
- **similis**, Ettingshausen, 1887 A, p. 185, pl. ix, figs. 10, 10 a.
Upper Cretaceous; New Zealand.
- **sinuosa**, Ward, 1887, p. 41, pl. xxii, fig. 2.
Laramie Formation; Wyoming, U.S.A.
- **speciosissima**, Ward, 1887, p. 39, pl. xxi, fig. 3.
Montana Formation; Wyoming, U.S.A.
- **squarrosa**, Knowlton, 1900 A, p. 45, pl. viii, fig. 2. Ibid.
- **Stephensoni**, Berry, 1910 A, p. 194, pl. xxiii, figs. 2, 3.
Middle Cretaceous; North Carolina, U.S.A.
- **Sternbergii**, Lesquereux, 1873, p. 423; & 1892, p. 82, pl. I, fig. 1.
Dakota Group; Kansas, U.S.A.
- **stylosa**, Velenovsky, 1882 A, p. 213; & 1883, p. 39, pl. xii, fig. 5.
Cenomanian; Bohemia.
- **subgoepperti**, Shirley, 1902, p. 7, pl. i.
Upper Cretaceous; Queensland, Australia.
- **suspecta**, Velenovsky, 1887, p. 71, pl. xxviii, figs. 6, 9.
Perucer Beds; Vyserovic, Bohemia.
- **tenuifolia**, Hosius, 1870 A, p. 100, pl. xvi, fig. 28.
Senonian; Legden, Westphalia.
- **trinervis**, Knowlton, 1900 A, p. 42.
Montana Formation; Wyoming, U.S.A.

- Ficus? undulata**, Lesquereux, 1892, p. 84, pl. xii, fig. 5.
Dakota Group; Kansas, U.S.A.
- **virginiensis**, Fontaine, 1889, p. 295, pl. cxliii, figs. 1, 3; pl. cxliv, fig. 1.
Potomac Formation; Virginia, U.S.A.
- **Wardii**, Knowlton, 1900 A, p. 48, pl. ix, fig. 1.
Montana Formation; Wyoming, U.S.A.
- **Wellingtoniæ**, Dawson, 1894, p. 60, pl. ix, figs. 33, 34.
Upper Cretaceous; Vancouver Island, Canada.
- **Willisiana**, Hollick, 1894 A, p. 52, pl. clxxvi, figs. 2, 5.
Cretaceous; Long Island, U.S.A.
- **Woolsoni**, Newberry MS., in Hollick, 1893, p. 33, pl. ii, figs. 1, 2 c; & Newberry, 1895, p. 70, pl. xx, fig. 3; pl. xxiii, figs. 1-6.
Amboy Clay; New York, U.S.A.
- **sp.**, Hollick, 1903, p. 104, text-fig. B. 2, 3.
Dakota Group; Kansas, U.S.A.
- **sp.**, Lesquereux, 1892, p. 85, pl. x, figs. 7, 8. Ibid.
- Filicites sp.**, Nilsson, 1824, p. 146, pl. ii, figs. 1-3. Greensand; Sweden.
- Fittonia squamata**, Carruthers, 1870, p. 690, pl. lvi. (= *Clathraria anomala*, in part, Mantell, 1847.)
Upper Cretaceous (?); Isle of Wight.
- Flabellaria chamæropifolia**, Goeppert, 1836, p. 426; & 1842 A, p. 120, pl. lii, figs. 1-3. Senonian; Silesia.
- **coryphæfolia**, Goeppert (probably error for *F. chamæropifolia*), 1836, p. 87.
- **longirachis**, Unger, 1850 A, p. 332; & 1853, p. 91, pl. xxxi, fig. 1; pl. xxxii, fig. 1. Cretaceous; Austria.
- **magothiensis**, Berry, 1905 c, p. 32, text-figs. 1, 2.
Magothy Formation; Maryland, U.S.A.
- **? minima**, Lesquereux, 1874, p. 56, pl. xxx, fig. 12.
Dakota Group; Kansas, U.S.A.
- **sub-longirachis**, Ettingshausen, 1887 A, p. 181, pl. viii, figs. 4, 4 a.
Upper Cretaceous; New Zealand.
- Folium arcuatum**, Velenovsky, 1882 A, p. 214 [nomen nudum].
Cretaceous; Bohemia.
- **daphnophyllum**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **lanceolatum**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **lingua**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **productum**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **ranunculus**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- Fontainea grandifolia**, Newberry, 1895, p. 96, pl. xlv, figs. 1-4.
Amboy Clay; Woodbridge, U.S.A.
- Fraxinus præcox**, Heer, 1883 A, p. 33, pl. lxiv, fig. 2.
Patoot Beds; Greenland.
- Frenelites Reichii**, Ettingshausen, 1867 A, p. 246, pl. i, figs. 10 a-10 c.
(= *Widdringtonites Reichii*, Heer, 1882.)
Cenomanian; Niederschoena, Saxony.

- Frenelopsis bohémica**, Velenovsky, 1888 A, p. 590, pl. (unnumb.),
figs. 1-3, 10; & 1889, p. 13, pl. ii, figs. 3, 4.
Cenomanian; Vyserovic, Bohemia.
- **gracilis**, Newberry, 1895, p. 59, pl. xii, figs. 1-3 a.
Amboy Clay; New Jersey, U.S.A.
- **Hoheneggeri** (Ett.), Schenk, 1871 A, p. 13, pl. iv, figs. 5-7; pl. v,
figs. 1, 2; pl. vi, figs. 1-6; pl. vii, fig. 1. (Recorded Heer from
Greenland, 1874.) Wernsdorfer Beds; Carpathians.
- **Königii**, Hosius & von der Marck, 1880, p. 132, pl. xxxvii, fig. 148.
(= *Calamitopsis Königii*, v. d. Marck, 1864.)
Upper Senonian; Westphalia.
- **leptoclada**, Saporta, 1894, p. 109, p. 113, pl. xix, fig. 18; pl. xxi,
figs. 9-11. Neocomian (? Aptian); Portugal.
- **occidentalis**, Heer, 1881, p. 21, pl. xii, figs. 3 b, 4-7.
Cretaceous; Portugal.
- **parceramosa**, Fontaine, 1889, p. 218, pl. cxi, figs. 1-5; pl. cxii,
figs. 1-5; pl. clxviii, fig. 1. Potomac Formation; Virginia, U.S.A.
- **ramosissima**, Fontaine, 1889, p. 215, pls. xcv-xcix; pl. c, figs. 1-3;
pl. ci, fig. 1. Ibid.
- **varians**, Fontaine, 1894, p. 273, pl. xl, figs. 1, 2; pl. xli, figs. 1-3 a.
Trinity Division; Texas, U.S.A.
- Fritschia nobilis**, Velenovsky, 1885, p. 8, pl. iii, figs. 1-3, 6, 11.
Pläner; Bohemia.
- Fucoides æqualis**, Brongniart, 1824, pp. 307, 310, pl. xix, fig. 7; &
1828, p. 58, pl. v, fig. 4. (= *Chondrites æqualis*, Sternberg, 1833.)
Greensand; Vernasque.
- **Brardii**, Brongniart, 1828, p. 77, pl. ii, figs. 8-19 (synonym for
Carpolithes hemlocinus?, Schlotheim). (= *Caulerpites Brardii*,
Sternberg, 1833.) Cretaceous; France.
- **Brongniarti**, Mantell (*non* Harlan), 1829, p. 204. Chalk; Sussex.
- **caniculatus**, d'Archiac, 1837, p. 159. Lower Greensand; France.
- **cauliformis**, Fritsch, 1883, p. 136, text-fig. 131, p. 137.
Lower Cretaceous; Chorousek, Bohemia.
- ? **columnaris**, Fritsch, 1883, p. 135, text-fig. 130, p. 137. Ibid.
- **cylindricus**, Sternberg, 1825, p. vii, pl. lxviii, fig. 1.
Quadersandstein; Bohemia.
- **dichotomus**, Reich, in litt. (= *Haliserites Reichii*, Sternberg,
1833.)
- ? **dichotomus**, Fritsch (*non* Morris *nec* Reich), 1889, p. 119, text-
fig. 167. Turonian (?); Koscilitz, Bohemia.
- **difformis**, Brongniart, 1824, pp. 307, 310, pl. xix, fig. 6; & 1828,
p. 57, pl. v, fig. 5. (= *Chondrites difformis*, Sternberg, 1833.)
Cretaceous (?); Bayonne.
- **friburgensis**, Heer, 1877, p. 143, pl. lvii, fig. 3.
Neocomian; Switzerland.
- **furcatus**, Brongniart, 1824, p. 309, pl. xix, fig. 3; & 1828, p. 62,
pl. v, fig. 1. (= *Chondrites furcatus*, Sternberg, 1833.)
Cretaceous; Vernasque.

- Fucoides funiformis**, Fritsch, 1883, p. 135, text-fig. 129 on p. 136.
Lower Cretaceous; Bohemia.
- **intricatus**, Brongniart, 1824, pp. 307, 311, pl. xix, fig. 8; & 1828, p. 59, pl. v, figs. 6, 7, 8, (= *Chondrites intricatus*, Sternberg, 1833.)
Greensand; France.
- **latifrons**, Heer, 1877, p. 143, pl. lvii, figs. 1-2.
Upper Cretaceous; Switzerland.
- **Lyngbianus**, Brongniart, 1828, p. 82, pl. ii, figs. 20-21. (= *Sargassites Lyngbianus*, Sternberg, 1833.)
Cretaceous; Denmark.
- **Orbignianus**, Brongniart, 1824, p. 308, pl. xix, fig. 1; & 1828, p. 78. (= *Caulerpites Orbignianus*, Sternberg, 1833.)
Cretaceous; France.
- **recurvus**, Brongniart, 1824, p. 309, pl. ii, fig. 67, pl. xix, fig. 4; & 1828, p. 62, pl. v, fig. 2. (= *Chondrites recurvus*, Sternberg, 1833.)
Greensand; Vernassque.
- ? **strangulatus**, Fritsch, 1883, p. 136, text-fig. 132, p. 137.
Lower Cretaceous; Bohemia.
- **strictus**, Brongniart, 1824, p. 308, pl. xix, fig. 2. (= *Rhodomelites strictus*, Sternberg.)
Greensand; Isle d'Aix.
- **Targionii**, Brongniart, 1828, p. 56, pl. iv, figs. 2 & 6. Ibid.
- **tuberculosis**, Brongniart, 1828, p. 54, pl. vii, fig. 5. (= *Laminarites tuberculosis*, Sternberg.) Ibid.
- **sp.**, Jasche, 1858, p. 96, pl. iv, fig. 1. Cretaceous; Saxony.
- Fucus lignitum**, Lesquereux, 1876 c, p. 364; & 1878 b, p. 42, pl. lxi, figs. 24, 24 a.
Montana Formation; Wyoming, U.S.A.
- Galla quercina**, Lesquereux, 1892, p. 58, pl. vii, fig. 2.
Dakota Group; Kansas, U.S.A.
- Geinitzia biformis**, Knowlton, 1900 a, p. 28 (re-naming *Sequoia biformis*, Lesquereux).
Montana Formation; Wyoming, U.S.A.
- **cretacea**, Endlicher, 1847 b, p. 281; & Unger, 1853, p. 93, pl. xxxiv, fig. 6.
Cretaceous; Austria.
- **formosa**, Heer, 1871 a, p. 6, pl. i; pl. ii, figs. 9, 10; & 1871 b, p. 395.
Senonian; Quedlinburg.
- **hyperborea**, Heer, 1883 a, p. 16, pl. li, fig. 13.
Patoot Beds; Greenland.
- **Jenneyi**, Fontaine in Ward, 1899 b, p. 676, pl. clxvi, figs. 5-11; pl. clxvii.
Dakota Group; Black Hills, U.S.A.
- **longifolia** (Lesquereux), Knowlton, 1900 a, p. 28 (re-naming *Sequoia longifolia*, Lesquereux).
Montana Formation; Wyoming, U.S.A.
- **macrobracteata**, Richter, 1899 b, p. 44. Senonian; Quedlinburg.
- **microcarpa**, Richter, 1905, p. 15, pl. i, figs. 6, 7. Ibid.
- **prisca**, Eichwald, 1865, p. 48, pl. iii, figs. 19 a, b, c (re-naming *Cunninghamites prisca*, 1861).
Neocomian; Moscow.

- Geinitzia Reichenbachi** (Geinitz), Hollick & Jeffrey, 1909, p. 38, pl. v, figs. 7-10; pl. viii, figs. 3, 4; pl. xvi, figs. 2-4; pl. xvii, figs. 1-4; pl. xviii, figs. 1-4. (= *Araucarites Reichenbachi*, Geinitz, 1842; = *Sequoia Reichenbachi*, Heer, 1868.)
 Raritan Formation; Staten Island, U.S.A.
- **sp.**, Hollick & Jeffrey, 1909, p. 42, pl. viii, figs. 5, 6; pl. xviii, figs. 5, 6; pl. xix, figs. 1, 2. Ibid.
- **sp.**, Newberry, 1873, p. 10. (= *Geinitzia formosa*, Heer.)
 Cretaceous; New Jersey, U.S.A.
- Gelidinium trajectomosanum**, Debey & Ettingshausen, 1859 A, p. 199, pl. iii, fig. 6 h. Senonian; Maestricht.
- Gecnomites tenuirachis**, Lesquereux, 1878 B, p. 117, pl. xi, fig. 1.
 Laramie Formation; New Mexico, U.S.A.
- **Ungeri**, Lesquereux, 1878 B, p. 118, pl. xi, fig. 2. Ibid.
- Ginkgo? acetaria**, Ward, 1905, p. 551, pl. cviii, fig. 12.
 Older Potomac Formation; Maryland, U.S.A.
- **arctica**, Heer, 1874 c, p. 261, pl. 807, fig. 7. (= *Baiera arctica*, Heer.) Kome Beds; Greenland.
- **Baynesiana** (Dawson), Knowlton, 1898, p. 110 (re-naming *Salisburia Baynesiana*, Dn., 1883).
 Upper Cretaceous; Vancouver Island.
- **Jaccardi**, Heer, 1877, p. 146, pl. lviii, fig. 20.
 Lower Aptian; Switzerland.
- **laramiensis**, Ward, 1885, p. 496, fig. 7.
 Montana Formation; Wyoming, U.S.A.
- **lepida**, Heer, 1876, p. 62, pl. xii; pl. vii, fig. 7.
 Kootanie Formation; British Columbia.
- **multinervis**, Heer, 1882, p. 46, pl. v, fig. 1 d; pl. viii, figs. 2 b, 3, 4; pl. ix, fig. 3 b. Atane Beds; Greenland.
- **nana** (Dawson), Knowlton, 1898, p. 111 (re-naming *Salisburia nana*, Dn., 1886). Kootanie Formation; British Columbia.
- **primordialis**, Heer, 1874 c, p. 261, pl. 807, figs. 8, 9, 10.
 Atane Beds; Greenland.
- **pusilla** (Dawson), Knowlton, 1898, p. 111 (re-naming *Salisburia pusilla*, Dn., 1894.) [Knowlton's name invalidated by Heer's Jurassic species, Heer, 1876 c, p. 61.]
 Upper Cretaceous; Vancouver Island.
- **sibirica**, Heer, 1876 c, p. 61, pl. vii, fig. 6; pl. ix, fig. 5 f; pl. xi.
 Jurassic, recorded from Kootanie Formation, British Columbia.
- **tenuestriata**, Heer, 1882, p. 14, pl. ii, fig. 12 a.
 Kome Beds; Greenland.
- **sp.** (nuts of), Dawson, 1886, p. 9, pl. ii, fig. 4.
 Kootanie Formation; British Columbia, Canada.
- Ginkgoeladus Novæ Zeelandiæ**, Ettingshausen, 1887 A, p. 179, pl. vii, fig. 19. Upper Cretaceous; New Zealand.
- Gleditsiophyllum triacanthoides**, Berry, 1910 A, p. 197.
 Middle Cretaceous; North Carolina, U.S.A.

- Gleichenia acutiloba**, Heer, 1871 A, p. 5, pl. i, figs. 2, 2*b*.
 Senonian; Quedlinburg.
- **acutipennis**, Heer, 1874 A, p. 53, pl. x, figs. 12, 13.
 Kome Beds; Greenland.
- **comptoniæfolia**, Heer, 1874 A, p. 49, pl. xi, figs. 1, 2. (= *Didymosorus comptoniifolius*, Debey & Ettingshausen, 1859 B.) Ibid.
- **crenata**, Velenovsky, 1888 B, p. 9, pl. iii, figs. 15-17. (= *Gleichenites crenata*, Engelhardt, 1892 A.)
 Perucer Beds; Vyserovic, Bohemia.
- **delawarensis**, Berry, 1907 A, p. 670, text-figs. 3, 3*a*.
 Magothy Formation; Delaware, U.S.A.
- **delicatula**, Heer, 1874 A, p. 54, pl. ix, figs. 11*e, f*; pl. x, figs. 16, 17.
 Kome Beds; Greenland.
- **Drechsleriana**, Goeppert, 1865 B, p. 399 [nomen nudum].
 Cretaceous; Austria.
- **Giesekiana**, Heer, 1868, p. 78, pl. xliii, figs. 1*a*, 2*a*, 3*a*; pl. xliv, figs. 2, 3.
 Kome Beds; Greenland.
- ? **Gilbert-Thompsoni**, Fontaine in Ward, 1905, p. 232, pl. lxvi, fig. 11.
 Shasta Formation; California, U.S.A.
- **gracilis**, Heer, 1871, p. 1181; & 1874 A, p. 52, pl. x, figs. 1-11.
 Kome Beds & Atane Beds; Greenland.
- *cf.* **gracilis**, Heer in Zeiller, 1905, p. 330, pl. vii, figs. 5, 5*a*.
 Senonian; Bulgaria.
- **Kurriana**, Heer, 1869 A, p. 6, pl. ii, figs. 1-4. (= *Mertensia Kurriana*, Engelhardt, 1892 A.) Cenomanian; Moletain, Moravia.
- **longipennis**, Heer, 1871, p. 1181; & 1874 A, p. 46, pl. vi, figs. 4, 5, 6; pl. viii, figs. 1, 2, 3.
 Kome Beds; Greenland.
- **micromera**, Heer, 1874 A, p. 55, pl. x, figs. 14, 15. Ibid.
- **multinervosa**, Velenovsky, 1888 B, p. 8, pl. iii, figs. 1, 2.
 Perucer Beds; Bohemia.
- **Nauckhoffii**, Heer, 1874 A, p. 90, pl. xxv, fig. 4.
 Atane Beds; Greenland.
- **nervosa**, Heer, 1874 A, p. 53, pl. xi, figs. 3-6.
 Kome Beds; Greenland.
- **Nordenskiöldi**, Heer, 1874 A, p. 50, pl. ix, figs. 6-12. Ibid.
- (*Mertensia*) **obscura**, Ettingshausen, 1887 A, p. 175, pl. vii, figs. 7, 7*a*.
 Upper Cretaceous; New Zealand.
- **obtusata**, Heer, 1882, p. 37, pl. xxx, figs. 7-16.
 Atane Beds; Patoot, Greenland.
- **optabilis**, Heer, 1880 B, p. 5, pl. i, fig. 13. Kome Beds; Greenland.
- **protogæa**, Debey & Ettingshausen, 1859 B, p. 191, pl. i, figs. 11-12, *g, h*.
 Senonian; Aix, Rhenish Prussia.
- **rhombifolia**, Hollick, 1902, p. 147, pl. iii, fig. 3.
 Laramie Formation; Colorado, U.S.A.
- **rigida**, Heer, 1868, p. 80, pl. xlv, figs. 1-1*b*.
 Kome Beds; Kome, Greenland.
- **Rinkiana**, Heer, 1868, p. 80, pl. xliii, fig. 6. Ibid.
- **rotula**, Heer, 1874 A, p. 48, pl. viii, figs. 4-5; pl. ix, figs. 1-4. Ibid.

- Gleichenia Saundersii**, Berry, 1903 c, p. 679, text-figs. 1-3, p. 678.
Matawan Formation; New Jersey, U.S.A.
- **thulensis**, Heer, 1874 A, p. 48, pl. x, fig. 18; pl. v, fig. 9 b.
Kome Beds; Pattorfik, Greenland.
- **Vahlana**, Heer, 1883 A, p. 7, pl. xlix, figs. 8 a, 9.
Patoot Beds; Patoot, Greenland.
- **vidovlensis**, Marik, 1901, p. 1, pl. i, figs. 1, 2.
Cenomanian; Bohemia.
- **votrubensis**, Bayer, 1899, p. 22, pl. ii, fig. 1, text-figs. 7, 7 a.
Perucer Beds; Bohemia.
- **Zippei** (Corda), Heer, 1868, p. 79, pl. xliii, fig. 4. (= *Pecopteris Zippei*, Corda; = *Gleichenites Zippei*, Seward, 1910; = *Mertensia Zippei*, Engelhardt, 1892 A.)
Kome Beds; Greenland.
- **Zippei** (Corda), Zeiller, 1905, p. 328. (*Pecopteris*)
Upper Cretaceous; Bulgaria.
- ? **sp.**, Bayer in Fritsch & Bayer, 1901, p. 85, text-fig. 33. Bohemia.
- Gleichenites coriaceus**, Marik, 1901, p. 7, pl. i, fig. 16.
Cenomanian; Bohemia.
- **crenata**, Engelhardt, 1892 A, p. 82. (= *Gleichenia crenata*, Velenovsky, 1888 B.)
Cretaceous; Bohemia.
- **Zippei** (Corda), Seward, 1910, p. 354 (re-naming *Gleichenia Zippei*, Heer, 1868).
Kome Beds; Greenland.
- Glossczamites acuminatus**, Yokoyama, 1906, p. 38, pl. xii, figs. 5 b, 7.
Cretaceous; China.
- **brevior**, Saporta, 1890 A, p. 814; & 1894, p. 88, pl. xvi, fig. 32.
Valanginian; Portugal.
- **dilaceratus**[-um], Saporta, 1890 A, p. 814. Ibid.
- **distans**, Fontaine, 1889, p. 176, pl. lxviii, fig. 5.
Potomac Formation; Virginia, U.S.A.
- **Fontaineanus**, Ward, 1899 B, p. 667, pl. clxii, figs. 16-18.
Lower Cretaceous; Black Hills, U.S.A.
- **Hoheneggeri** (Schenk), Yokoyama, 1906, p. 36, pl. xii, figs. 1, 1 a; pl. xii, figs. 5 a, 6. (= *Podozamites Hoheneggeri*, Schenk.)
Cretaceous; China.
- **Klipsteini** (Dunker), Fontaine in Diller & Stanton, 1894, p. 450.
(= *Cyclopteris Klipsteini*, Dunker, 1846.)
Horsetown Beds; California, U.S.A.
- **laceratus**, Saporta, 1894, p. 89, pl. xvi, figs. 26-27.
Valanginian; Portugal.
- **modestior**, Saporta, 1894, p. 88, pl. xvi, fig. 30. Ibid.
- **parvifolius**, Yokoyama, 1894, p. 226, pl. xxi, figs. 5, 5 a.
Neocomian; Yuasa, Japan.
- **Schenkii**, Heer, 1874 A, p. 99, pl. xvi, figs. 5-8.
Kome Beds; Greenland.
- Glyptostrobus australis**, Ettingshausen, 1893, p. 147; & 1895, p. 12, pl. i, figs. 11-13.
Cretaceous; Australia.
- **brookense** (Fontaine), Ward, 1895 A, p. 359 (re-naming *Taxodium brookense*, Fontaine, 1889). Potomac Formation; Virginia, U.S.A.

- Glyptostrobus brookense angustifolium** (Fontaine), Knowlton, 1898, p. 112 (re-naming *Taxodium brookense angustifolium*, Fontaine, 1889). Potomac Formation; White House Bluff, U.S.A.
- **cenomanensis**, Crié, 1884, p. 512 [nomen nudum].
Cenomanian; France.
- **europæus cretaceus**, Velenovsky, 1885, p. 26, pl. vi, fig. 2; pl. vii, figs. 2, 3, 9, 10. Perucér Beds; Bohemia.
- **expansus**, Ward, 1905, p. 538. (= *Taxodium expansum*, Fontaine, 1889.)
- **fastigiatus** (Fontaine), Ward, 1895 A, p. 380 (re-naming *Taxodium fastigiatum*, Fontaine, 1889). Potomac Formation; Virginia, U.S.A.
- **gracillimus**, Lesquereux, 1868, p. 92; & 1874, p. 52, pl. i, figs. 3, 8, & 11-11 f. Dakota Group; Nebraska, U.S.A.
- **grönlandicus**, Heer, 1874 A, p. 76, pl. xvii, fig. 9; pl. xx, figs. 9, 10, 11; pl. xxii, fig. 12. Kome Beds; Greenland.
- **intermedius**, Heer, 1883 A, p. 13, pl. lii, figs. 6-7. Patoot Beds; Greenland.
- **sp.**, Dawson, 1883, p. 25. Upper Cretaceous; Vancouver Island, Canada.
- **? sp.**, Knowlton, 1900 A, p. 31, pl. v, fig. 4. Montana Formation; Wyoming, U.S.A.
- Granularia sp.**, T. Lorenz, 1902, p. 56, pl. vii, fig. 2. Lower Cretaceous; Switzerland.
- Grevillea constans**, Velenovsky, 1882 A, p. 213; & 1883, p. 28, pl. ix, figs. 6-10. Cenomanian; Bohemia.
- **Dvraki**, Bayer, 1899, p. 27, pl. i, fig. 15, text-figs. 9, 9 a. Ibid.
- **Oxleyana**, Ettingshausen, 1893, pp. 140, 149; & 1895, p. 27, pl. iii, fig. 14. Cretaceous; Australia.
- **palmata**, Debey MS. in Saporta & Marion, 1873, p. 61, pl. viii, figs. 5-7. (= *Dewalquea aquisgranensis*, Saporta & Marion.) Senonian; Aix. Rhenish Prussia.
- **Reussii**, Ettingshausen, 1851, p. 721 (re-naming *Salicites angustus*, Reuss). Cretaceous; Bohemia.
- **tenera**, Velenovsky, 1887, p. 72, pl. xxx, figs. 9, 14, 16. Perucér Beds; Bohemia.
- Grewiopsis æquidentata**, Lesquereux, 1892, p. 180, pl. lviii, fig. 4. [Same as *G. Mudgei*.] Dakota Group; Kansas, U.S.A.
- **Cleburni**, Lesquereux, 1876 A, p. 381; & 1878 B, p. 259, pl. lxii, fig. 12. Laramie Formation; Wyoming, & Point of Rocks, Montana, U.S.A.
- **flabellata** (Lesquereux), Knowlton, 1898, p. 114 (re-naming *Populites flabellata*, Lx., 1868). Dakota Group; Kansas, U.S.A.
- **Haydenii**, Lesquereux, 1874, p. 97, pl. iii, figs. 2, 4; pl. xxiv, fig. 3. [Same as *G. flabellata*.] Ibid.
- **Mudgei**, Lesquereux, 1892, p. 181, pl. lxvi, fig. 3. [This is founded on the same specimen as *G. æquidentata*.] Ibid.
- **pakawanica**, Ettingshausen, 1887 A, p. 187, pl. ix, fig. 21. Upper Cretaceous; New Zealand.

- Grewiopsis paliurifolia**, Ward, 1887, p. 92, pl. lvi, fig. 3.
Laramie Formation; Wyoming, U.S.A.
- **viburnifolia**, Ward, 1887, p. 89, pl. xl, fig. 2; & recorded Hollick, 1894 A, p. 59, pl. clxxiv, fig. 8. Cretaceous; Long Island, U.S.A.
- Guatteria cretacea**, Hollick, 1906 A, p. 73, pl. xxi, figs. 1-4.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Gyminda primordialis**, Hollick, 1906 A, p. 88, pl. xxxiii, fig. 5. Ibid.
- Gymnogramme bohémica**, Bayer, 1899, p. 45, pl. ii, fig. 2, text-figs. 14, 14 a. Perucér Beds; Bohemia.
- **Haydenii**, Lesquereux, 1872, p. 295; & 1878, p. 59, pl. v, figs. 1-3. Laramie Formation; Wyoming, U.S.A.
- Gyrochorte porrecta**, De Stefani, 1881, p. 281.
Upper Cretaceous; Italy.
- Gyrolithes Davreuxi**, Saporta, 1884, p. 27, pl. v, figs. 1-4; pl. vi, figs. 1, 2. Greensand; France.
- Gyrophyllites angustifolius**, Heer, 1865, p. 190, text-fig. 100 b.
Cretaceous; Switzerland.
- **Dobloffii**, Lorenz, 1901, p. 579, pl. iv, fig. 11. Flysch; Austria.
- **Kastneri**, Lorenz, 1901, p. 579, pl. iv, figs. 5, 7-8. Ibid.
- **Kwassizensis**, Glocker, 1841, p. 322, text-fig.
Quadersandstein; Austria.
- **obtusifolius**, Heer, 1865, p. 190, text-fig. 101; & 1877, p. 144, pl. lviii, fig. 13. Cretaceous; Switzerland.
- **Oosteri**, Heer, 1865, p. 190, text-fig. 100 a; & 1877, p. 144, pl. lviii, fig. 14. Neocomian; Switzerland.
- **pentamerus**, Heer, 1865, p. 190, text-fig. 102; & 1877, p. 144, pl. lviii, fig. 15. Ibid.
- **Petteri**, Lorenz, 1901, p. 579, pl. iv, figs. 9-10. Flysch; Austria.
- **quassazensis**, Glocker in Goeppert, 1865 c, p. 12. (= *Gyrophyllites Kwassizensis*, Glocker, 1841.)
- **vestanensis**, Squinabol, 1890, p. 189, pl. xi, fig. 2.
Cretaceous(?); Italy.
- Haastia speciosa**, Ettingshausen, 1887 A, p. 180, pl. viii, fig. 5.
Upper Cretaceous; New Zealand.
- Halimeda Fuggeri**, Lorenz, 1897, p. 177, pl. i. Flysch; Salzburg.
- Haliserites contortuplicatus**, von der Mark, 1864, p. 81, pl. xiii, fig. 13. Upper Cretaceous; Westphalia.
- **gracilis**, Debey & Ettingshausen, 1859 A, p. 189, pl. i, figs. 1-2.
Senonian; Aix, Rhenish Prussia.
- **Reichii**, Sternberg, 1833, p. 34, pl. xxiv, fig. 7. (= *Fucoides dichotomus*, Reich in litt.) Greensand; Freiberg.
- **Schlotheimi**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **trifidus**, Debey, 1848 A, p. 114 [nomen nudum]. Ibid.
- Halocharis longifolia**, Miquel, 1853, p. 49, pl. v, figs. 4-6.
Senonian; Limburg, Belgium.

- Halymenites cylindricus**, Sternberg, 1825, pl. xlviii, fig. 1.
(= *Münsteria cylindrica*, Otto.) Quadersandstein; Bohemia.
- **major**, Lesquereux, 1873, p. 373; & 1878 B, p. 38, pl. i, figs. 7, 8.
Montana Formation (& above); U.S.A.
- **Rioana**, Zigno, 1864, p. 525 [nomen nudum]. Cretaceous (?); Italy.
- **striatus**, Lesquereux, 1873, p. 373; & 1878 B, p. 37, pl. i, fig. 6.
Laramie Formation; New Mexico, U.S.A.
- **verticillatus**, Münster (*in litt.*), Sternberg, 1838, p. 104.
Cretaceous; Westphalia.
- Halyserites gracilis**, Debey & Ettingshausen, 1859 A, p. 189, pl. i, figs. 1, 2.
Senonian; Aix, Rhenish Prussia.
- **Reichii** (Sternberg), Unger, 1850 A, p. 10. (= *Halyserites Reichii*, Sternberg, = *Delesseria Reichii*, Engelhardt, 1892 A.)
Senonian; Aix, Rhenish Prussia.
- **Schlothemi**, Debey, 1848 (?); & 1850, p. 116. Ibid.
- **trifidus**, Debey, 1848 A, p. 114. Ibid.
- Hamamelidoxylon Renaulti**, Lignier, 1907, p. 301, pl. xix, fig. 44; pl. xx, figs. 45–52; pl. xxi, fig. 68; pl. xxiii, figs. 85, 93; text-figs. 3–5, pp. 294–296.
Cenomanian; France.
- Hamamelites ? cordatus**, Lesquereux, 1883, p. 71, pl. iv, fig. 3.
Dakota Group; Kansas, U.S.A.
- **kansaseana**, Lesquereux, 1876, p. 355, pl. vii, fig. 4. (= *H. kansaseanus*, 1883, = *Alnus kanseana*, 1874, re-named by Knowlton, 1898, *Quercus kanseana*.) Ibid.
- **quadrangularis**, Lesquereux, 1876 B, p. 355. (= *Alnites quadrangularis*, Lx., 1874, & *Fopulites quadrangularis*, Lx., 1868.) Ibid.
- **quercifolius**, Lesquereux, 1883, p. 71. Ibid.
- **tenuinervis**, Lesquereux, 1883, p. 70. Ibid.
- Hausmannia ? arctica** (Heer), Richter, 1906, p. 20. (= *Jeanpaulia arctica* & *Jeanpaulia borealis*, Heer, 1874 A.) Urganian; Greenland.
- **? Brongniarti** (Debey & Ettingshausen), Richter, 1906, p. 19, pl. vii, fig. 23. (= *Asplenium Brongniarti*, Debey & Ettingshausen, 1859 B.)
Senonian; Quedlinburg, Saxony.
- **? californica**, Fontaine in Ward, 1905, p. 228, pl. lxxv, fig. 47.
Shasta Formation; California, U.S.A.
- **? cordata** (Heer), Richter, 1906, p. 24, pl. vii, fig. 19. (= *Protophipis cordata*, Heer, 1882.) Kome Beds; Greenland.
- **cretacea** (Velenovsky), Richter, 1906, p. 20. (= *Platyseriphyllum cretaceum*, Velenovsky, 1889.) Cenomanian; Bohemia.
- **dichotoma**, Dunker, 1846, p. 12, pl. v, fig. 1; pl. vi, fig. 12.
Recorded from Senonian, Quedlinburg. by Richter, 1906.
- **dichotoma euryphylla**, Richter, 1906, p. 19, pl. iii, fig. 11; pl. iv, figs. 2, 4, 5, 7; pl. vi, fig. 2. Senonian; Quedlinburg, Saxony.
- **dichotoma linearis**, Richter, 1906, p. 19, pl. iii, figs. 5, 8; pl. iv, figs. 6, 9, 9 a. Ibid.
- **dichotoma regularis**, Richter, 1906, p. 19, pl. iii, figs. 3, 4, 6, 10; pl. iv, figs. 1, 8; pl. v, figs. 9, 10; pl. vi, fig. 5. Ibid.
- **gracillima**, Richter, 1906, p. 19, pl. iii, figs. 12, 12 a. Ibid.

- Hausmannia Kohlmanni**, Richter, 1901, p. 21; & 1906, p. 21, pl. i, figs. 1-11; pl. ii, figs. 1, 3, 4, 5, 6, 8, 9; pl. v, figs. 1, 2, 5, 6, 7, 8; pl. vi, figs. 3, 6, 7, 9. Senonian; Quedlinburg, Saxony.
- **rigida**, Newberry, 1895, p. 35, pl. i, figs. 2, 3, 5. Amboy Clay; New Jersey, U.S.A.
- **Sewardi**, Richter, 1906, p. 22, pl. i, fig. 12; pl. v, figs. 3, 4; pl. vi, fig. 8. Lower Cretaceous; Strohberg.
- **spuria**, Richter, 1906, p. 23, pl. ii, fig. 2 (pl. v, fig. 12(?)). Ibid.
- Hedera aquamara**, Ward, 1887, p. 59, pl. xxvi, fig. 7 (re-named *Quercus aquamara* (Ward), Knowlton, 1898). Laramie Formation; Wyoming, U.S.A.
- **Bruneri**, Ward, 1887, p. 58, pl. xxvi, fig. 6. Ibid.
- **cecilensis**, Berry, 1910 II, p. 28, pl. viii, fig. 2. Magothy Formation; Cecil County, U.S.A.
- **credneriæfolia**, Velenovsky, 1882 B, p. 30, pl. viii, fig. 8; pl. x, fig. 2. (= *Hederophyllum credneriæfolium*, Velenovsky, 1889.) Cenomanian; Vyserovic, Bohemia.
- **cretacea**, Lesquereux, 1892, p. 127, pl. xviii, fig. 1. Dakota Group; Kansas, U.S.A.
- **cuneata**, Heer, 1882, p. 83, pl. xxviii, fig. 12; pl. xlv, fig. 2. Atane Beds; Greenland.
- **decurrens**, Lesquereux, 1892, p. 130, pl. xviii, fig. 6. Dakota Group; Kansas, U.S.A.
- **microphylla**, Lesquereux, 1892, p. 127, pl. xviii, figs. 2, 3. Ibid.
- **obliqua**, Newberry, 1895, p. 113, pl. xxxvii, fig. 8; pl. xxxviii, fig. 5. Amboy Clay; Woodbridge, U.S.A.
- **orbiculata** (Heer), Lesquereux, 1892, p. 129, pl. xvii, figs. 12-14. (= *Chondrophyllum orbiculatum*, Heer, 1874 A.) Dakota Group; Kansas, U.S.A.
- **ovalis**, Lesquereux, 1874, p. 91, pl. xxv, fig. 3; pl. xxvi, fig. 4. Dakota Group; Nebraska, U.S.A.
- **platanoidea**, Lesquereux, 1876 B, p. 351, pl. iii, fig. 3. Dakota Group; Kansas, U.S.A.
- **primordialis**, Saporta, 1879, p. 200, text-figs. 29-1 & 2. (= *Hederophyllum primordiale*, in Velenovsky, 1889.) Cenomanian; Bohemia.
- **Schimperi**, Lesquereux, 1876 A, p. 395; & 1876 B, p. 351, pl. vii, fig. 5. Dakota Group; Kansas, U.S.A.
- **simplex**, Hollick, 1906 A, p. 97, pl. xxxvii, fig. 9. Middle Cretaceous; Martha's Vineyard, U.S.A.
- **sp.?**, Hollick, 1898 B, p. 421, pl. xxxviii, fig. 5. Middle Cretaceous; Staten Island, U.S.A.
- Hederæphyllum angulatum**, Fontaine, 1889, p. 324, pl. clxii, fig. 1. Potomac Formation; Virginia, U.S.A.
- **crenulatum**, Fontaine, 1889, p. 324, pl. clxii, fig. 3. Ibid.
- **peltatum**, Marik, 1901, p. 11, pl. ii, fig. 8. Cenomanian; Bohemia.

- Hederophyllum credneriæfolium**, Velenovsky, 1889, pp. 50, 54.
(= *Hedera credneriæfolia*, Velenovsky, 1882 B.)
- **primordiale** (Saporta), Velenovsky, 1889, pp. 50, 54. (= *Hedera primordialis*, Saporta, 1879.)
- Heterofilicites anceps**, Berry, 1906 E, p. 154, pl. xxvi.
Magothy Formation; New Jersey, U.S.A.
- Hexagonaria senonica**, Deecke, 1901, p. 473. Senonian; Rügen.
- Himantites alopecarus**, Debey & Ettingshausen, 1859 A, p. 212, pl. iii, fig. 1 a. Senonian; Aix, Rhenish Prussia.
- Hymenæa dakotana**, Lesquereux, 1892, p. 145, pl. lv, figs. 2, 3; pl. lvi, figs. 1, 2; pl. lxii, fig. 2. Dakota Group; Kansas, U.S.A.
- **elongata**, Velenovsky, 1882 A, p. 214; & 1886, p. 57, pl. xx, figs. 3, 5. Cenomanian; Bohemia.
- **inæqualis**, Velenovsky, 1886, p. 56, pl. xxi, figs. 5, 6. (= *Hymenophyllum inæqualis*, Velenovsky, 1889.) Ibid.
- **Kuchlensis**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **latifolia**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Ibid.
- **primigenia** [spelt **Hymeneæ**], Saporta, 1879, p. 199, text-fig. 28, 2; also Velenovsky, 1886, p. 56, pl. xx, fig. 4; pl. vi, figs. 1-4. Ibid.
- **virginiensis**, Fontaine, 1889, p. 320, pl. clxiii, fig. 6.
Potomac Formation; Virginia, U.S.A.
- Hymenæophyllum inæquale**, Velenovsky, 1889, p. 51. (= *Hymenæa inæqualis*, Velenovsky, 1886.)
- Hymenophyllites heterophyllus**, Unger, 1850 A, p. 527; & 1867, p. 650, pl. ii, figs. 3, 4. Upper Cretaceous; Austria.
- **macrocphyllus**, Goeppert, 1836, p. 262; & Unger, 1867, p. 650, pl. ii, fig. 5. Ibid.
- Hymenophyllum cretaceum**, Lesquereux, 1873, p. 421; & 1874, p. 45, pl. i, figs. 3-4; pl. xxix, fig. 6.
Dakota Group; Kansas, U.S.A.
- Hymenopteris psilotoides**, Stokes & Webb, 1824, p. 424, pl. xlv, fig. 7; pl. xlvii, fig. 2; Mantell, 1827, p. 55, pl. i, fig. 3; pl. iii, fig. 7; pl. iii*, fig. 2; pl. xx, figs. 1, 2. (= *Sphenopteris Mantelli*, Brongniart, 1828.) Wealden, Sussex.
- Hypoglossidium antiquum**, Heer, 1874 A, p. 129, pl. xxxviii, figs. 14, 15. Cretaceous; Spitzbergen.
- Hysterites dubius**, Debey & Ettingshausen, 1859 A, p. 213, pl. iii, fig. 5 d. Senonian; Aix, Rhenish Prussia.
- **protogæus** (Heer), Meschinelli, 1892, p. 774. (= *Hysterium protogæum*, Heer, 1882.)
- Hysterium protogæum**, Heer, 1882, p. 20, pl. xxiv, figs. 9, 9 b. (= *Hysterites protogæus*, Meschinelli, 1892.)
Atane Beds; Greenland.
- Ilex amboyensis** (Newberry), Berry, 1909, p. 259 (re-naming *Ilex ovata*, Newberry, 1896.) Raritan Formation; New Jersey, U.S.A.

- Ilex antiqua**, Heer, 1882, p. 97, pl. xxvii, fig. 1 *a*.
Atane Beds; Greenland.
- **armata**, Lesquereux, 1892, p. 176, pl. xxix, fig. 8.
Dakota Group; Kansas, U.S.A.
- **borealis**, Heer, 1883 *A*, p. 39, pl. lxiv, figs. 3, 4.
Patoot Beds; Greenland.
- **dakotensis**, Lesquereux, 1892, p. 178, pl. xxix, fig. 11.
Dakota Group; Kansas, U.S.A.
- ? **elongata**, Newberry, 1895, p. 98, pl. xviii, figs. 1, 5.
Amboy Clay; Sayreville, U.S.A.
- **Masoni**, Lesquereux, 1892, p. 179, pl. vii, fig. 6; pl. lxiii, fig. 6.
Dakota Group; Kansas, U.S.A.
- ? **ovata**, Newberry, 1895, p. 98, pl. xviii, fig. 2 (re-named *Ilex amboyensis*, Berry, 1909.)
Amboy Clay; Sayreville, U.S.A.
- **papillosa**, Lesquereux, 1892, p. 177, pl. xxix, figs. 9, 10; pl. lviii, fig. 3.
Dakota Group; Kansas, U.S.A.
- **patootensis**, Heer, 1883 *A*, p. 40, pl. lxiv, fig. 5.
Patoot Beds; Greenland.
- **Pernerii**, Bayer, 1893, pp. 20 & 42, fig. 14; & Bayer in Fritsch, 1893, p. 131, text-fig. 190.
Senonian; Priesen, Bohemia.
- **Scudleri**, Lesquereux, 1892, p. 178, pl. lviii, fig. 2.
Dakota Group; Kansas, U.S.A.
- **strangulata**, Lesquereux, 1876 *A*, p. 399; & 1876 *B*, p. 359, pl. viii, fig. 3.
Dakota Group (?); Colorado, U.S.A.
- Illicium deletum**, Velenovsky, 1886, p. 51, pl. xviii, fig. 5.
Cenomanian; Bohemia.
- Inga Cottai**, Ettingshausen, 1867 *A*, p. 262, pl. iii, fig. 18.
Cenomanian; Niederschoena, Saxony.
- **cretacea**, Lesquereux, 1892, p. 153, pl. lv, fig. 11.
Dakota Group; Kansas, U.S.A.
- **latifolia**, Velenovsky, 1886, p. 55, pl. xx, figs. 6, 7.
Cenomanian; Vyserovic, Bohemia.
- Inolepis affinis**, Heer, 1883 *A*, p. 11, pl. liii, figs. 2, 2*b*.
Patoot Beds; Greenland.
- **bohemica**, Marik, 1901, p. 8, pl. i, fig. 19.
Cenomanian; Bohemia.
- **imbricata**, Heer, 1874 *A*, p. 72, pl. xvi, figs. 12-16; pl. xxiii, figs. 6 *c*, 7, 8.
Kome Beds; Greenland.
- Isoetes Choffati**, Saporta, 1894, p. 134, pl. xxiv, figs. 2 *b*, 9-11; pl. xxv, figs. 5-8; pl. xxvii, fig. 6.
Urgonian; Portugal.
- Isoetopsis Choffati**, Saporta, 1891, p. 250 [nomen nudum].
Albian; Portugal.
- Jeanpaulia arctica**, Heer, 1874 *A*, p. 131, pl. ii, figs. 15 & 16, name in pl. descr. given to *J. borealis*. (= *Hausmannia? arctica*, in Richter, 1906.)

- Jeanpaulia borealis**, Heer, 1871, p. 1181; & 1874 A, p. 57, pl. ii, figs. 15 & 16. (= *Hausmannia? arctica*, in Richter, 1906.)
Kome Beds; Greenland.
- **carinata**, Velenovsky, 1888 B, p. 18, pl. i, figs. 1-5.
Perucer Beds; Bohemia.
- **grandis**, Heer, 1871, p. 1181 [nomen nudum].
Kome Beds; Greenland.
- **lepida**, Heer, 1874 A, p. 58, pl. ii, figs. 1-4. (= *Sphenopteris lepida*, Heer, 1871.)
Ibid.
- Jordania ebenoides**, Schenk, 1883, p. 10, pl. iv, figs. 13-14.
Upper Cretaceous; Libyan Desert.
- Juglandinium longiradiatum**, Vater, 1884, p. 841, pl. xxviii, figs. 15-16.
Lower Senonian; Brunswick.
- Juglandiphyllum integrifolium**, Fontaine, 1889, p. 315, pl. elvii, figs. 3, 5, 6.
Potomac Formation; Virginia, U.S.A.
- Juglandites cretacea**, Dawson, 1886, p. 14.
Mill Creek Series; Canada.
- **elegans**, Goeppert, 1842 B, p. 156, pl. liv, fig. 18.
Senonian; Aix, Rhenish Prussia.
- **ellsworthianus**, Lesquereux, 1892, p. 70, pl. xxxvii, fig. 1.
Dakota Group; Kansas, U.S.A.
- **fallax**, Dawson, 1894, p. 59, pl. xi, fig. 48.
Upper Cretaceous; Vancouver Island, Canada.
- **Lacoei**, Lesquereux, 1892, p. 71, pl. xlviii, fig. 5.
Dakota Group; Kansas, U.S.A.
- **primordialis**, Lesquereux, 1892, p. 70, pl. xxxv, fig. 15.
Ibid.
- **sinuatus**, Lesquereux, 1892, p. 71, pl. xxxv, figs. 9-11.
Ibid.
- ? **sp.**, Dawson, 1894, p. 59, pl. x, fig. 43; pl. xiii, fig. 56.
Upper Cretaceous; Vancouver Island, Canada.
- Juglans arctica**, Heer, 1882, p. 71, pl. xl, fig. 2; pl. xli, fig. 4c; pl. xlii, figs. 1-3; pl. xliii, fig. 3.
Atane Beds; Greenland.
- **crassipes**, Heer, 1869 A, p. 23, pl. vi, fig. 3.
Cenomanian; Moletein, Moravia.
- **Debeyana** (Heer), Lesquereux, 1868, p. 101. (= *Populus? Debeyana*, Heer, 1867.)
Dakota Group; Nebraska, U.S.A.
- **elongata**, Hollick, 1906 A, p. 55, pl. xi, figs. 3, 4 (for *Laurus Omalii*, Sap. & Mar.).
Middle Cretaceous; Long Island, U.S.A.
- **harwoodensis**, Dawson, 1883, p. 28, pl. viii, fig. 31.
Upper Cretaceous; Vancouver Island, Canada.
- **Humboldtana**, Stiehler, 1858, p. 63, pl. xi, fig. 13.
Cretaceous; New Granada.
- **Leconteana**, Lesquereux, 1871, p. 382; & 1878 B, p. 285, pl. liv, figs. 10-13.
Laramie Formation; Colorado, U.S.A.
- ? **missouriensis**, Knowlton, 1900 A, p. 12, pl. i, figs. 7-9.
Montana Formation; Missouri R., U.S.A.
- **rhamnoides**, Lesquereux, 1872, p. 294.
Laramie Formation; Wyoming, U.S.A.

- Juglans rugosus**, Lesquereux, 1868, p. 206; & 1878 B, p. 286, pl. liv, figs. 4, 5; pl. lv, figs. 1-9; pl. lvi, figs. 1, 2.
Laramie Formation; Wyoming, U.S.A.
- Jugloxylon hamaoanum**, Stopes & Fujii, 1910, pp. 62-63, pl. vii, fig. 48.
Upper Cretaceous; Hokkaido, Japan.
- Jungermannites vetustior**, Saporta, 1894, p. 123, pl. xxiii, fig. 14.
Urgonian; Cercal, Portugal.
- Juniperus hypnoides**, Heer, 1882, p. 47, pl. xlv, figs. 3-4; pl. xlvi, fig. 18.
Atane Beds; Greenland.
- **macilenta**, Heer, 1882, p. 47, pl. xxxv, figs. 10-11. Ibid.
- Jurania hemiflabellata**, Tuzson, 1908, p. 1, pl. i, figs. 1, 2; pl. ii, fig. 3.
Upper Cretaceous; Hungary.
- Kaidacarpium cretaceum**, Heer, 1883 A, p. 19, pl. lxiv, fig. 9 b.
Patoot Beds; Greenland.
- Kaidacarpium Bucklandi** (Lindley & Hutton), Carruthers, 1868, p. 156, pl. ix, fig. 2.
Upper Greensand; Wiltshire.
- **minus**, Carruthers, 1868, p. 156. Potton Sands; Cambridge.
- Kalmia Brittoniana**, Hollick, 1893, p. 34, pl. ii, figs. 6, 7, 8.
Cretaceous; New York, U.S.A.
- Keckia ambigua**, Eichwald, 1865, p. 11, pl. iv, figs. 14, 15.
Neocomian; Russia.
- **annulata**, Glocker, 1841, p. 319, pl. iv. (= *Münsteria annulata*, Unger.)
Quadersandstein; Austria.
- **cylindrica**, Otto, 1852, p. 5, pl. ii; pl. iii; pl. iv, fig. 2.
Lower Quadersandstein; Wendischersdorf.
- **nodulosa**, Otto, 1852, p. 9, pl. iv, figs. 3, 6, 7. Ibid.
- **vesiculosa**, Otto, 1852, p. 8, pl. iv, fig. 1. Ibid.
- **sp.**, Lorenz, 1902, p. 23, pl. viii, fig. 3.
Lower Cretaceous; Switzerland.
- Kingthiophyllum primævum**, Crié, 1889, p. 15 [nomen nudum].
Cretaceous; New Zealand.
- Kirchnera arctica** (Heer), Velenovsky, 1888 B, p. 16, pl. ii, figs. 12-16.
Perucer Beds; Bohemia.
- **dentata**, Velenovsky, 1888 B, p. 18, pl. ii, figs. 1, 2. Ibid.
- Kloedenia quercoides**, Goeppert, 1839, p. 521, pl. viii B, figs. 1, 3, 4.
Cretaceous; Silesia.
- Knightiophyllum primævum**, Ettingshausen, 1887 A, p. 185, pl. ix, fig. 12.
Upper Cretaceous; New Zealand.
- Kohlmannopteris insignis**, Richter, 1899 A, p. 40 [nomen nudum]; & 1901, p. 20.
Senonian; Quedlinburg.
- Kosmogyracanthica**, Stache, 1889, p. 135, pl. iv, fig. 5. (= *Chara acanthica*, Stache, 1880.)
Upper Cretaceous (?); Corgnale.
- **cingulata**, Stache, 1889, p. 121, pl. ii, fig. 20. (= *Chara cingulata*, Stache, 1880.)
Liburnian (Upper Cretaceous); Cosina.
- **guttifera**, Stache, 1889, p. 134, pl. iv, fig. 6. (= *Chara guttifera*, Stache, 1880.) Ibid.
- **ornata**, Stache, 1889, p. 134, pl. iv, figs. 4, a, b. (= *Chara ornata*, Stache, 1880.) Ibid.

- Kosmogyra perarmata**, Stache, 1889, p. 134, pl. iv, figs. 3 *a*, *b*.
(= *Chara perarmata*, Stache, 1880.)
Liburnian (Upper Cretaceous); Cosina.
- **superba**, Stache, 1889, p. 134, pl. iv, figs. 2 *a*, *b*. (= *Chara superba*,
Stache, 1880.) Upper Cretaceous (?); Divacea.
- Kosmogyrella carinata**, Stache, 1889, p. 121, pl. ii, fig. 19. (= *Chara*
carinata, Stache, 1880.) Ibid.
- Kranneria mirabilis**, Corda (*in litt.*), Velenovsky, 1885, p. 1, pl. i,
figs. 1-7, 10-13; pl. iv, figs. 1, 2, 4, 7, 8, 9. (= *Palæostrobus*
mirabilis, Renger, 1866.) Cenomanian; Bohemia.
- Lacopteris Dunkeri**, Schenk, 1871 A, p. 17, pl. viii, figs. 3-5; Velenov-
sky, 1888, p. 12, pl. ii, figs. 3-7. Cenomanian; Bohemia.
- **pulchella**, Heer, 1831, p. 16, pl. xv, figs. 7, 7 *b*.
Neocomian; Portugal.
- Lagynophora articulata**, Stache, 1889, p. 133, pl. vi, fig. 5.
Liburnian (Upper Cretaceous); Cosina.
- **foliosa**, Stache, 1889, p. 133, pl. iv, figs. 10, 11. Ibid.
- **liburnica**, Stache, 1889, p. 132, pl. iv, figs. 9, 14. (= *Chara*
liburnica, Stache, 1880.) Ibid.
- **nodulifera**, Stache, 1889, p. 133, pl. vi, fig. 3. Ibid.
- **symmetrica**, Stache, 1889, p. 133, pl. vi, figs. 1, 4. Ibid.
- Lambertia dura**, Velenovsky, 1883, p. 30, pl. x, fig. 16. (= *Drynaria*
dura (Velenovsky), Bayer, 1899.) Cenomanian; Bohemia.
- Laminarites crenatus**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **polystigma**, Debey & Ettingshausen, 1859 A, p. 192, pl. i, fig. 6.
Ibid.
- **spathulatus**, Debey, 1849, p. 299 [nomen nudum]. Ibid.
- **tuberculosus**, Sternberg, 1833, p. 35. (= *Fucoides tuberculosus*,
Brongniart, 1828.) Cretaceous; La Rochelle, France.
- Lamprocarpites nitidus**, Heer, 1882, p. 58, pl. viii, figs. 10 *b*, 12-14.
Atane Beds; Greenland.
- Laricopsis angustifolia**, Fontaine, 1889, p. 233, pl. cii, figs. 9, 10;
pl. ciii, figs. 1, 4. Potomac Formation; Virginia, U.S.A.
- **brevifolia**, Fontaine, 1889, p. 234, pl. cii, figs. 5, 6. Ibid.
- **longifolia**, Fontaine, 1889, p. 233, pl. cii, figs. 7, 8; pl. ciii, figs. 2,
3; pl. clxv, fig. 4; pl. clxviii, figs. 5, 6. Ibid.
- **longifolia latifolia**, Fontaine in Ward, 1905, p. 312, pl. lxxiii,
figs. 11-14. Kootanie Formation; Montana, U.S.A.
- Laurelia primæva**, Lesquereux, 1892, p. 108, pl. xx, fig. 8.
Dakota Group; Kansas, U.S.A.
- Laurinium brunswicense**, Vater, 1884, p. 845, pl. xxix, figs. 22-24.
Lower Senonian (?); Helmstedt.
- Laurinophyllum austro-caledonicum**, Crié, 1889, p. 27 [nomen
nudum]. Cretaceous; New Caledonia.
- Laurinoxylon albiense**, Fliche, 1905, p. 356, pl. x, figs. 2-3.
Albion; Madagascar.

- Laurinoxylon primigenium**, Schenk, 1883, p. 11, pl. iii, fig. 10;
pl. v, figs. 15-16. Cenomanian (?); Cairo, Egypt.
- **uniseriatum**, Gothan, 1908 A, p. 16, pl. ii, figs. 3-11.
Cretaceous (?); Antarctica;
- **sp.**, Gothan, 1908 A, p. 19, pl. ii, figs. 12, 13. Ibid.
- Laurogene cretacea**, Ettingshausen in Reuss, 1854, p. 740 [nomen nudum].
Cenomanian; Molettein, Moravia.
- Laurophyllum angustifolium**, Newberry (*non* Lesquereux), 1895,
p. 86, pl. xvii, figs. 10, 11. Amboy Clay; New Jersey, U.S.A.
- **aquisgranense**, Lange, 1890, p. 669, pl. xxxiv, fig. 4.
Senonian; Gemmenich, Rhenish Prussia.
- **austro-caledonicum**, Crié, 1889, p. 27 [nomen nudum].
Cretaceous; New Caledonia.
- **debile**, Dawson, 1883, p. 22, pl. ii, figs. 7, 7 a.
Upper Cretaceous; North-West Territory, Canada.
- **elegans**, Hollick, 1906 A, p. 81, pl. xxvii, figs. 1-5.
Raritan Formation; Staten Island, U.S.A.
- **ellsworthianum**, Lesquereux, 1892, p. 95, pl. xiii, fig. 7. (= *Quercus ellsworthianus*, Lesquereux, 1868.)
Dakota Group; Kansas, U.S.A.
- **insigne**, Dawson, 1894, p. 61, pl. vii, figs. 24, 25.
Upper Cretaceous; Vancouver Island, Canada.
- **lanceolatum**, Newberry, 1895, p. 86, pl. xvii, figs. 1, 12.
Amboy Clay; New Jersey, U.S.A.
- **minus**, Newberry, 1895, p. 86, pl. xvi, figs. 7-9. Ibid.
- **nervillosum**, Hollick, 1906 A, p. 82, pl. xxvii, figs. 6, 7.
Raritan Formation; Staten Island, U.S.A.
- **reticulatum**, Lesquereux, 1873, p. 425; & 1874, p. 76, pl. xv, figs. 4, 5. (= *Ficus reticulata* (Lx.), Hollick, 1898.)
Dakota Group; Kansas, U.S.A.
- Laurus affinis**, Hosius & von der Marck, 1880, p. 167, pl. xxxi, fig. 9.
Upper Senonian; Haldem, Westphalia.
- **affinis**, Velenovsky (*non* Hosius & von der Marck), 1887, p. 70,
pl. xxviii, figs. 4, 5, 7, 8. Cenomanian; Bohemia.
- **angusta**, Heer, 1882, p. 76, pl. xx, figs. 1 b, 7; pl. xliii, fig. 1 c.
Atane Beds; Greenland.
- **antecedens**, Lesquereux, 1892, p. 92, pl. xi, fig. 3.
Dakota Group; Kansas, U.S.A.
- **attenuata**, Saporta, 1894, p. 7, pl. xxxvii, fig. 9.
Cretaceous (?); Portugal.
- **Colleti**, Fliche, 1892, p. 1085; & 1896, p. 279, pl. xiii, fig. 7, text-fig. 13.
Albian; France.
- **crassinervis**, Dawson, 1883, p. 23.
Upper Cretaceous (?); North-West Territory, Canada.
- **cretacea**, Ettingshausen, 1867 A, p. 252, pl. ii, fig. 13.
Cenomanian; Niederschoena, Saxony.
- **Hollae**, Heer, 1882, p. 76, pl. xxxiii, fig. 13; pl. xlv, fig. 5 b;
pl. xlv, fig. 3. Atane Beds; Greenland.

- Laurus Hollickii**, Berry, 1905 B, p. 79, pl. lii, fig. 4.
Mutawau Formation; New Jersey, U.S.A.
- **Knowltoni**, Lesquereux, 1892, p. 94, pl. 1, fig. 4.
Dakota Group; Kansas, U.S.A.
- **labrusca**, Unger, 1850 A, p. 423. (= *Sterculia labrusca*, Unger, 1851 B.)
Dakota Group; Nebraska, U.S.A.
- **macrocarpa**, Lesquereux, 1868, p. 98; & 1874, p. 74, pl. x, fig. 2.
Dakota Group; Nebraska, U.S.A.
- (**Carpites**) **microcarpa**, Lesquereux, 1892, p. 93, pl. xvi, fig. 8.
Dakota Group; Kansas, U.S.A.
- **modesta**, Lesquereux, 1883, p. 53, pl. xvi, fig. 4.
Dakota Group; Colorado, U.S.A.
- **Nebrascensis**, Lesquereux, 1868, p. 98; & 1874, p. 74, pl. x, fig. 1; pl. xxviii, fig. 14. (= *Persea Nebrascensis*, Lx., 1869.)
Dakota Group; Nebraska, U.S.A.
- **Newberryana**, Hollick, 1894 A, p. 52, pl. clxxix, fig. 5.
Cretaceous; Long Island, U.S.A.
- **notandia**, Saporta, 1894, p. 202, pl. xxxvii, fig. 7.
Upper Albian; Portugal.
- **Odini**, Heer, 1882, p. 77, pl. xxxvii, fig. 9.
Atane Beds; Greenland.
- **Omalii**, Saporta & Marion, 1873, p. 49, pl. vi, fig. 1. Eocene.
(Recorded from American Cretaceous, Hollick, 1894 A.)
- **palæocretacea**, Saporta, 1894, p. 202, pl. xxxvii, fig. 12.
Albian; Portugal.
- **plutonia**, Heer, 1882, p. 75, pl. xix, figs. 1 *a*, 2-4; pl. xx, figs. 3 *a*, 4-6; pl. xxiv, fig. 6 *b*; pl. xxviii, figs. 10-11; pl. xlii, fig. 4 *b*.
Atane Beds; Greenland.
- **plutonina**, Ettingshausen, 1893, p. 149; & 1895, p. 26, pl. ii, fig. 15.
Cretaceous; Australia.
- **præstans**, Lesquereux, 1876 c; & 1878 B, p. 215, pl. lxiii, fig. 7.
Laramie Formation; Wyoming, U.S.A.
- **prætavia**, Saporta & Marion, 1885, p. 117, text-fig. 125 n.
Turonian; France.
- **primigenia**, Unger, 1850 A, p. 423.
Eocene; Sotzka.
(Recorded by Heer, in Meek & Hayden, 1859, p. 265, for
Dakota Cretaceous, U.S.A.)
- **proteæfolia**, Lesquereux, 1876 A, p. 393; & 1876 B, p. 342, pl. v, figs. 1, 2.
Dakota Group; Kansas, U.S.A.
- **sccialis**, Lesquereux, 1878 B, p. 213, pl. xxxvi, figs. 1, 2, 3, 4, 7.
Laramie Formation; Wyoming, U.S.A.
- **teliformis**, Lesquereux, 1892, p. 94, pl. 1, fig. 9.
Dakota Group; Kansas, U.S.A.
- **titahensis**, Lesquereux, 1878 B, p. 216, pl. xxvi, fig. 11.
Laramie Formation; Wyoming, U.S.A.
- ? **sp.**, Knowlton, 1900 A, p. 13, pl. i, fig. 4.
Montana Formation; Missouri R., U.S.A.

- Leguminosites albizzioides**, Menzel, 1909, p. 400, pl. 2, figs. 1, 2, 3.
Senonian; Cameroons.
- **amissus**, Heer, 1874 A, p. 119, pl. xxxii, fig. 19.
Atane Beds; Greenland.
- **atanensis**, Heer, 1874 A, p. 119, pl. xxxiv, fig. 6. Ibid.
- **cassiæformis**, Heer, 1874 A, p. 119, pl. xxxiv, fig. 12. (= *Cassia antiquorum*, Heer, 1882.) Ibid.
- **cassioides**, Lesquereux, 1878 B, p. 300, pl. lix, figs. 1-4 (name pre-occupied, re-named *Leguminosites Lesquereuxiana*, Knowlton, 1898).
Laramie Formation; Montana, U.S.A.
- **cassioides**, Engelhardt (*non* Lesquereux), in Vanhöffen, 1897, pp. 366 & 371, fig. 29. Atane Beds; Greenland.
- **constrictus**, Lesquereux, 1892, p. 151, pl. xlv, fig. 3.
Dakota Group; Kansas, U.S.A.
- **convolutus**, Lesquereux, 1892, p. 151, pl. xlv, fig. 4. Ibid.
- **coronilloides** (?), Heer, 1874 A, p. 119, pl. xxxiv, fig. 4. (= *Colutea coronilloides*, Heer, 1882.) Atane Beds; Greenland.
- **cretaceus**, Engelhardt, 1892 A, p. 104, pl. ii, figs. 11, 11 a.
Cenomanian; Niederschoena, Saxony.
- **cultriformis**, Lesquereux, 1883, p. 86, pl. x, fig. 4.
Dakota Group; U.S.A.
- **dakotensis**, Lesquereux, 1892, p. 150, pl. xxxviii, fig. 5.
Dakota Group; Kansas, U.S.A.
- **Dalageri**, Heer, 1882, p. 104, pl. xxxvii, fig. 10.
Atane Beds; Greenland.
- **dentatus**, Heer, 1883 A, p. 44, pl. lxxv, figs. 10-11.
Patoot Beds; Greenland.
- **frigidus**, Heer, 1883 A, p. 44, pl. lxxv, fig. 13; pl. lv, figs. 21 a, 22.
Patoot Beds; Greenland.
- **hymenophyllus**, Lesquereux, 1892, p. 152, pl. lv, figs. 7-9; pl. lvi, fig. 3. Dakota Group; Kansas, U.S.A.
- **infracretacicus**, Saporta, 1894, p. 208, pl. xxxvii, fig. 14.
Upper Albian; Portugal.
- **insularis**, Heer, 1882, p. 103, pl. xlv, fig. 6.
Atane Beds; Greenland.
- **lanceolatus**, Schenk, 1876, p. 170, pl. xxix, fig. 16.
Upper Cretaceous; Brandenburg, Tyrol.
- **Lesquereuxiana**, Knowlton, 1898, p. 131. (= *Leguminosites cassioides*, Lesquereux, 1878.)
Laramie Formation; Montana, U.S.A.
- **macilentus**, Heer, 1882, p. 104, pl. xxvii, fig. 15.
Atane Beds; Greenland.
- **Marcouanus**, Heer in Meek & Hayden, 1859, p. 265. (= *Liriodendron Meekii Marcouana*, Heer, 1882, & *Bumelia Marcouana*, Lesquereux, 1874.) Dakota Group; Nebraska, U.S.A.
- **omphalobioides**, Lesquereux, 1892, p. 149, pl. xxxviii, fig. 4.
Dakota Group; Kansas, U.S.A.

- Leguminosites orbiculatus**, Heer, 1882, p. 104, pl. xx, fig. 3 c.
Atane Beds; Greenland.
- **ovalifolius**, Heer, 1882, p. 103, pl. xxvii, fig. 14. Ibid.
- **ovatus**, Schenk, 1876, p. 170, pl. xxix, fig. 15.
Upper Cretaceous; Brandenburg, Tyrol.
- **pachyphyllus**, Ettingshausen, 1893, p. 151; & 1895, p. 52, pl. iv, fig. 18.
Cretaceous; Australia.
- **patootensis**, Heer, 1883 A, p. 44, pl. lxx, figs. 12, 12 b.
Patoot Beds; Greenland.
- **phaseolites**, Heer, 1874 A, p. 118, pl. xxxiv, figs. 7-11.
Atane Beds; Greenland.
- **podogonialis**, Lesquereux, 1892, p. 148, pl. xiii, fig. 11; pl. xxxviii, fig. 16.
Dakota Group; Kansas, U.S.A.
- **prodromus**, Heer, 1871, p. 1184; & 1874 A, p. 118, pl. xxxiv, fig. 13.
Atane Beds; Greenland.
- **raritensis**, Berry, 1909, p. 257, pl. xviii, fig. 4.
Raritan Formation; New Jersey, U.S.A.
- **robiniifolia**, Berry, 1910 A, p. 196.
Middle Cretaceous; North Carolina, U.S.A.
- **truncatus**, Lesquereux, 1892, p. 150, pl. xxi, fig. 7.
Dakota Group; Kansas, U.S.A.
- Lemna? bullata**, Lesquereux, 1875, p. 363.
Laramie Formation; Wyoming, U.S.A.
- **scutata**, Dawson, 1875.
(Recorded from Montana Group by Lesquereux, 1878.)
- Lepidocaryopsis Westphaleni**, Stur, 1873, p. 2.
Cenomanian; Bohemia.
- Lepidodendron punctatum**, Sternberg, 1820, p. 23, pl. iv, figs. 1, 2.
(= *Protopteris punctata*, Presl.)
- Leptospermum cretaceum**, Velenovsky, 1889, p. 21, pl. i, fig. 10.
(= *Leptospermum macrocarpum*, Vel.) Cenomanian, Bohemia.
- **macrocarpum**, Velenovsky, 1889, p. 27, pl. i, fig. 10. Ibid.
- Leptostrobus? alatus**, Ward, 1899 B, p. 673, pl. clxiii, figs. 16, 17.
Lower Cretaceous; Black Hills, U.S.A.
- **foliosus**, Fontaine, 1889, p. 230, pl. ci, fig. 4; pl. ciii, fig. 5; pl. civ, fig. 1.
Potomac Formation; Virginia, U.S.A.
- **longifolius**, Fontaine, 1889, p. 228, pl. ci, figs. 2, 3; pl. cii, figs. 1-4; pl. cii, figs. 6-12; pl. civ, fig. 6. Ibid.
- **? multiflorus**, Fontaine, 1889, p. 230, pl. clxv, fig. 6. Ibid.
- **? ovalis**, Ward, 1905, p. 514, pl. cviii, figs. 9, 10 (naming *Leptostrobus? (b) sp.* Fontaine, 1889, p. 231, pl. cxxxvi, figs. 10, 10 a). Ibid.
- **? sp. (a)** Fontaine, 1889, p. 231, pl. cxxxv, fig. 6. Ibid.
- **? sp. (b)** Fontaine, 1889, p. 231, pl. cxxxvi, fig. 10. Ibid.
- **? sp. (c)** Fontaine, 1889, p. 232, pl. cxxxvi, fig. 11. Ibid.
- Libocedrus cretacea**, Heer, 1882, p. 49, pl. xxix, figs. 1-3; pl. xliii, fig. 1 d.
Atane Beds; Greenland.

- Libocedrus salicornioides** *cretacea*, Velenovsky, 1885, p. 28, pl. viii, fig. 2. Perucur Beds; Bohemia.
- **Veneris**, Velenovsky, 1885, p. 28, pl. x, figs. 13, 15, 17. Pläner; Bohemia.
- Limnophyllum lanceolatum**, Hosius & von der Marck, 1880, p. 184, pl. xxxviii, fig. 154. Lower Senonian; Westphalia.
- **primaevum**, Hosius & von der Marck, 1880, p. 183, pl. xxxviii, fig. 153. Ibid.
- Lindera Masoni**, Lesquereux, 1892, p. 96, pl. xviii, figs. 9, 10 (re-named *Benzoin Masoni*, Knowlton, 1898). Dakota Group; Kansas, U.S.A.
- **venusta**, Lesquereux, 1892, p. 95, pl. xvi, figs. 1, 2 (re-named *Benzoin venustum*, Knowlton, 1898). Ibid.
- Liquidambar integrifolium**, Lesquereux, 1868, p. 93; & 1874, p. 56, pl. ii, figs. 1–3; pl. xxiv, fig. 2; pl. xxix, fig. 8. Dakota Group; Nebraska, U.S.A.
- **obtusilobatus** (Heer), Hollick in Newberry, 1898, p. 101, pl. v, fig. 4; pl. xii, fig. 4. (= *Phyllites obtusilobatus*, Heer, 1859.) Dakota Group; Kansas, U.S.A.
- Liriodendron acuminatum**, Lesquereux, 1884, p. 227. Dakota Group; Kansas, U.S.A.
- **acuminatum**, var. **bilobatum**, Lesquereux, 1892, p. 207, pl. xxviii, fig. 4. Ibid.
- **alatum**, Newberry MS., Hollick, 1894 B, p. 467, pl. cccx. Laramie Formation; Colorado, U.S.A.
- **attenuatum**, Hollick, 1906 A, p. 68, pl. xxi, figs. 9–11. Middle Cretaceous; Long Island, U.S.A.
- **Celakovskii**, Velenovsky, 1882 A, p. 213; & 1883, p. 43, pl. xiv, fig. 2. Cenomanian; Bohemia.
- **cruciforme**, Lesquereux, 1884, p. 227. (= *L. giganteum cruciforme*, Lx., 1892.) Dakota Group; Kansas, U.S.A.
- **dubium**, Berry, 1907, p. 196, pl. xiv, fig. 3. Middle Cretaceous; North Carolina, U.S.A.
- **giganteum**, Lesquereux, 1868, p. 99; & 1874, p. 93, pl. xxii, fig. 2. Dakota Group; Nebraska, U.S.A.
- **giganteum cruciforme**, Lesquereux, 1892, p. 206, pl. xxviii, figs. 1, 2. (= *L. cruciforme*, Lx., 1884.) Dakota Group; Kansas, U.S.A.
- **intermedium**, Lesquereux, 1868, p. 99; & 1874, p. 93, pl. xx, fig. 5. Dakota Group; Nebraska, U.S.A.
- **laramiensis**, Ward, 1885, p. 556, pl. lx, fig. 1. Montana Formation; Wyoming, U.S.A.
- **Meekii**, Heer in Meek & Hayden, 1859, p. 265; & Heer, 1867, p. 21, pl. iv, fig. 3. Dakota Group; Nebraska, U.S.A.
- **Meekii genuina**, Heer, 1882, p. 98, pl. xxii, figs. 12–13; pl. xxiii, fig. 6. Atane Beds; Greenland.

- Liriodendron Meekii Marcouana**, Heer, 1882, p. 82, pl. xxii
figs. 4-7, 11; pl. xxiii, fig. 3; pl. xlv, fig. 13 *a*, *b*. (= *Leguminosites*
Marcouanus, Heer, 1859.) Atane Beds; Greenland.
- **Meekii mucronulata**, Heer, 1882, p. 88, pl. xxii, figs. 3-10.
Ibid.
- **Meekii obcordata**, Heer, 1882, p. 88, pl. xxii, figs. 1 *b*, 2; pl. xxiii,
fig. 4. (= *Phyllites obcordatus*, Heer, 1859.) Ibid.
- **Meekii primæva**, Heer, 1882, p. 88, pl. xviii, fig. 4 *c*; pl. xxii,
fig. 9; pl. xxiii, fig. 5. Ibid.
- **morganensis**, Berry, 1906 *B*, p. 176; and 1906 *E*, p. 150, pl. xxi,
figs. 2-4; pl. xxiii, fig. 1; pl. xxv.
Magothy Formation; New Jersey, U.S.A.
- **oblongifolium**, Newberry, 1887, p. 5, pl. lxi, fig. 1.
Amboy Clay; New Jersey, U.S.A.
- **pinnatifidum**, Lesquereux, 1884, p. 227.
Dakota Group; Kansas, U.S.A.
- **prætulipiferum**, Dawson, 1894, p. 63, pl. viii, fig. 27.
Upper Cretaceous; Vancouver Island, Canada.
- **primævum**, Newberry, 1870, p. 12; & 1878, pl. vi, fig. 7 (not
named); & Lesquereux, 1892, p. 203, pl. xxiv, fig. 4; pl. xxvi, figs. 1-4.
Dakota Group; Nebraska, U.S.A.
- **quercifolium**, Newberry, 1887, p. 6, pl. lxii, fig. 1.
Amboy Clay; New Jersey, U.S.A.
- **Schwarzii**, Richter, 1904, p. 16, pl. ii, fig. 10; 1905, p. 6, pl. i,
fig. 10. Senonian; Quedlinburg.
- **semi-alatum**, Lesquereux, 1884, p. 227; & 1892, p. 204, pl. xxv,
figs. 2-4; pl. xxix, fig. 3. Dakota Group; Kansas, U.S.A.
- **simplex**, Newberry, 1887, p. 6, pl. lxii, figs. 2-4. (= *Liriodendropsis*
simplex & *L. angustifolia*, Newberry, 1896.)
Amboy Clay; New Jersey, U.S.A.
- **Snowii**, Lesquereux, 1892, p. 209, pl. xxix, figs. 1, 2.
Dakota Group; Kansas, U.S.A.
- **succedens**, Dawson, 1894, p. 62, pl. viii, fig. 26.
Upper Cretaceous; Vancouver Island, Canada.
- **Wellingtonii**, Lesquereux, 1892, p. 208, pl. xxviii, fig. 3.
Dakota Group; Kansas, U.S.A.
- Liriodendropsis angustifolia**, Newberry, 1895, p. 84, pl. liii, fig. 8.
(= *Liriodendron simplex*, Newberry, 1887, in part.)
Amboy Clay; New Jersey, U.S.A.
- **constricta** (Ward), Hollick, 1906 *A*, p. 71, pl. xxii, fig. 7; pl. xxvi,
figs. 6-15; pl. xl, fig. 15.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **lacerata** (Sap.), Ward, 1896, p. 540. (= *Chondrophyton laceratum*,
Saporta, 1894.) Cenomanian; Portugal.
- **retusa** (Heer), Hollick, 1906 *A*, p. 72, pl. xxv, figs. 8, 9. (= *Sapo-*
tacites retusus, Heer, 1883 *A*.)
Middle Cretaceous; New Jersey, U.S.A.

- Liriodendropsis simplex**, Newberry, 1895, p. 83, pl. xix, figs. 2, 3; pl. liii, figs. 1-4, 7. (= *Liriodendron simplex*, Newberry, 1887, in part.) Amboy Clay; New Jersey, U.S.A.
- **simplex constricta**, Ward, 1896, p. 540. Middle Cretaceous; New Jersey, U.S.A.
- **spectabilis**, Hollick, 1906 A, p. 73, pl. xxii, figs. 1-6. Middle Cretaceous; Martha's Vineyard, U.S.A.
- Liriophyllum Beckwithii**, Lesquereux, 1878 A, p. 482; & 1883, p. 76, pl. x, fig. 1. Dakota Group; Colorado, U.S.A.
- **obcordatum**, Lesquereux, 1883, p. 77; & 1892, p. 210, pl. xxviii, fig. 7. Ibid.
- **populoides**, Lesquereux, 1878 A, p. 483; & 1883, p. 76, pl. xi, figs. 1, 2. Ibid.
- Lithothamnium amphiroaeformis**, Rothpletz, 1891 B, p. 314, pl. xvi, figs. 10, 14. Turonian; France.
- **cenomanicum**, Rothpletz, 1891 B, p. 313, pl. xvi, figs. 1, 2, 16. Cenomanian; France.
- **Goldfussi**, Gümbel, 1871, p. 285, pl. D iii, fig. L 3 a-b. Upper Cretaceous; Maestricht.
- **gosaviense**, Rothpletz, 1891 B, p. 314, pl. xvii, figs. 1, 3. Senonian; France.
- **mamillosum**, Gümbel, 1871, p. 41, pl. ii, figs. 7 a-b. Danian; Maestricht.
- **palmatum**, Goldfuss in Gümbel, 1871, p. 284, pl. Div, fig. L 1 a, 1 b. Upper Cretaceous; France.
- **parisiense**, Gümbel, 1871, p. 42, pl. ii, figs. 8 a-b. Danian; Maestricht.
- **perulatum**, Gümbel, 1871, p. 44, pl. ii, figs. 11 a-c. Ibid.
- **procaenum**, Gümbel, 1871, p. 43, pl. ii, figs. 10 a-b. Ibid.
- **racemosum**, Goldfuss in Gümbel, 1871, p. 284, pl. Div, figs. L 2 a, 2 b. Upper Cretaceous; France.
- **turonicum**, Rothpletz, 1891 B, p. 313, pl. xvi, figs. 9, 13. Turonian; France.
- Litsaea bohemica**, Engelhardt, 1892, p. 101, pl. i, fig. 8. Cretaceous; Kaunitz, Bohemia.
- **carbonensis**, Ward, 1885, p. 553, pl. xvi, fig. 11. (= *Malapoenna carbonensis* (Lx.), Knowlton, 1898, renamed.) Laramie Formation; Wyoming, U.S.A.
- **expansa**, Saporta & Marion, 1878, p. 68, pl. ii, figs. 1, 2. (Recorded from Cenomanian of Argentina.)
- **laurinoides**, Hosius & von der Marck, 1880, p. 189, pl. xl, fig. 157. (= *Phyllites laurinoides*, Hosius, 1870.) Lower Senonian; Westphalia.
- Litsea cretacea**, Lesquereux, 1892, p. 96, pl. xv, fig. 2. (= *Malapoenna cretacea* (Lx.), Knowlton, 1898, renamed.) Dakota Group; Kansas, U.S.A.

- Litsea falcifolia**, Lesquereux, 1892, p. 97, pl. xi, fig. 5. (= *Malapoenna falcifolia* (Lx.), Knowlton, 1893, renamed.)
Dakota Group; Kansas, U.S.A.
- **Weediana**, Knowlton in Weed & Knowlton, 1893, p. 55. (= *Malapoenna Weediana*, Knowlton, 1898.)
Laramie Formation; Montana, U.S.A.
- Lochmophycus caulerpoides**, Debey & Ettingshausen, 1859 A, p. 198, pl. ii, figs. 1-5.
Senonian; Aix, Rhenish Prussia.
- Lomatia Saportanea**, Lesquereux, 1876 B, p. 346.
Dakota Group; Kansas, U.S.A.
- ? **Saportanea**, var. **longifolia**, Lesquereux, 1883, p. 52.
Dakota Group; Colorado, U.S.A.
- Lomatites palæo-Ilex**, Ettingshausen, 1867 A, p. 255, pl. iii, fig. 16.
Cenomanian; Niederschoena, Saxony.
- Lomatopteris superstes**, Saporta, 1879, p. 198, text-fig. 27, i.
Turonian; Toulon, France.
- Lonchopteris Huttoni**, Presl in Sternberg, 1838, p. 166. (= *Lonchopteris Mantelli*, Lindley & Hutton, p. 59, pl. clxxi.)
Lower Greensand; England.
- **lusitanica**, Saporta, 1890 A, p. 814; & 1894, p. 80, pl. xvi, fig. 13.
Valanginian; Portugal.
- **Mantelli**, Brongniart, 1828, p. 369, pl. cxxxi, figs. 4 & 5. (= *Polypodites Mantelli*, Goepfert, 1836.)
Lower Cretaceous; Beauvais.
- Lycopodites Francheti**, Saporta, 1894, p. 131, pl. xxiii, fig. 13; pl. xxv, fig. 21.
Urgonian; Portugal.
- **gracilis**, Brongniart (*non* Oldham & Morris), 1828 A, p. 84 [nomen nudum].
Lower Cretaceous; Bavaria.
- **gracillimus**, Saporta, 1894, p. 131, pl. xxvi, fig. 5.
Urgonian; Portugal.
- **insignis**, Reiche in Geinitz, 1842, p. 98.
Cenomanian; Niederschoena, Saxony.
- **Limai**, Saporta, 1894, p. 132, pl. xxiii, figs. 16-17; pl. xxiv, fig. 11 a; pl. xxvi, fig. 1.
Urgonian; Cercal, Portugal.
- ? **montanensis**, Fontaine in Ward, 1905, p. 302, pl. lxxii, figs. 15, 16.
Kootanie Formation; Montana, U.S.A.
- Lycopodium cretaceum**, Berry, 1910 G, p. 276, text-fig. 1.
Upper Cretaceous; S. Carolina, U.S.A.
- **Lesquereuxii**, Knowlton, 1897, p. 154; & 1900 A, p. 24.
Montana Formation; Wyoming, U.S.A.
- **redivivum**, Heer, 1874 A, p. 60, pl. xiii, fig. 1.
Kome Beds; Greenland.
- Lygodites patulatus**, Schulze, 1888, p. 26 [nomen nudum].
Upper Quader; Germany.
- Lygodium compactum**, Lesquereux, 1878 B, p. 64, pl. v, fig. 9.
Laramie Formation; Colorado, U.S.A.
- **cretaceum**, Debey & Ettingshausen, 1859 B, p. 198, pl. ii, figs. 18-21; pl. iii, fig. 28.
Senonian; Aix, Rhensih Prussia.

Lygodium trichomanoides, Lesquereux, 1874, p. 45, pl. i, fig. 2.

Dakota Group; Kansas, U.S.A.

Macclintockia appendiculata, Heer, 1882, p. 71, pl. xxxvii, fig. 1.

Atane Beds; Greenland.

— **cretacea**, Heer, 1882, p. 70, pl. xxxvi, figs. 1, 2a; pl. xxxvii, figs. 2-4. Ibid.

— **trinervis**, Heer, 1868, p. 115, pl. xv, figs. 7-9. Tertiary.
(Recorded Dawson, 1894, Cretaceous.)

Macrotaeniopteris vancouverensis, Dawson, 1894, p. 55, pl. v, figs. 1-3. Upper Cretaceous; Vancouver Island, Canada.

Magnolia alternans, Heer in Capellini & Heer, 1867, p. 20, pl. iii, figs. 2-4; pl. iv, figs. 1-2. Dakota Group; Nebraska, U.S.A.

— **amplifolia**, Heer, 1869 A, p. 21, pl. viii, figs. 1, 2; pl. ix, fig. 1. Cenomanian; Moletein, Moravia.

— **angustifolia**, Newberry, 1883, p. 513.

Laramie Formation; New Mexico, U.S.A.

— **auriculata**, Newberry MS. in Hollick, 1894 A, p. 61, pl. clxxix, figs. 6, 7; & Newberry, 1895, p. 75, pl. xli, fig. 13; pl. lviii, figs. 1-11. (Re-named *Magnolia Hollicki*, Berry, 1909.)

Cretaceous; Long Island, U.S.A.

— **Boulayana**, Lesquereux, 1892, p. 202, pl. lx, fig. 2.

Dakota Group; Kansas, U.S.A.

— **Capellini**, Heer in Capellini & Heer, 1867, p. 21, pl. iii, figs. 5, 6. Dakota Group; Nebraska, U.S.A.

— **cenomanensis**, Saporta & Marion, 1878, p. 13.

Cenomanian; Bohemia.

— **cuneata**, Newberry in Reynold's Expl., 1869, p. 163 [nomen nudum]. Cretaceous; Orcas Island, U.S.A.

— **Delgadoi**, Saporta, 1894, p. 194, pl. xxxv, fig. 5.

Albian (?); Portugal.

— **ensifolia**, Lesquereux, 1872, p. 302. (= *Celastrorhynchium ensifolium*, Lx., 1874.) Dakota Group; Kansas, U.S.A.

— **glaucoides**, Newberry MS. in Hollick, 1894 A, p. 60, pl. clxxv, figs. 1, 7; & Newberry, 1895, p. 74, pl. lvii, figs. 1-4.

Cretaceous; Long Island, U.S.A.

— **Hollicki**, Berry, 1909, p. 253 (re-naming *Magnolia auriculata*, Newberry in Hollick, 1894 A).

Raritan Formation; New Jersey, U.S.A.

— **Isbergiana**, Heer, 1882, p. 91, pl. xxxvi, fig. 3.

Atane Beds; Greenland.

— **Lacoeana**, Lesquereux, 1892, p. 201, pl. lx, fig. 1.

Dakota Group; Kansas, U.S.A.

— **longifolia**, Newberry MS. in Hollick, 1893, p. 36, pl. iii, fig. 9; & Newberry, 1895, p. 76, pl. lv, figs. 3, 5; pl. lvi, figs. 1-4. (= *Magnolia Newberryi*, Berry, 1907.)

Raritan (?) Formation; Woodbridge, U.S.A.

- Magnolia longipes**, Newberry MS. in Hollick, 1894 A, p. 60, pl. clxxviii, figs. 1, 3; & Newberry, 1895, p. 76, pl. liv, figs. 1-3.
Cretaceous; Long Island, U.S.A.
- **magnifica**, Dawson, 1883, p. 22, pl. iii, fig. 11.
Upper Cretaceous; North-West Territory, Canada.
- **Marbodi**, Krasser & Kubart, 1906 B, p. 47 [nomen nudum].
Cenomanian; Moletain, Moravia.
- **Newberryi**, Berry, 1907, p. 195, pl. xiii, fig. 6. (Re-naming *M. longifolia*, Newberry.)
Middle Cretaceous; North Carolina, U.S.A.
- **obovata**, Newberry, 1870, p. 15. See *Nyssa vetusta*, Newberry, 1868.
- **obtusata**, Heer, 1882, p. 90, pl. xv, fig. 12; pl. xxi, fig. 3.
Atane Beds; Greenland.
- **occidentalis**, Dawson, 1894, p. 63, pl. x, fig. 36.
Upper Cretaceous; Vancouver Island, Canada.
- **palæocretacica**, Saporta, 1894, p. 222, pl. xxxix, fig. 26,
Cenomanian (?); Portugal.
- **palæopetala**, Hollick, 1903, p. 102, text-fig. A on p. 103.
Dakota Group; Kansas, U.S.A.
- **pseudoacuminata**, Lesquereux, 1892, p. 199, pl. xxiv, fig. 2.
Ibid.
- **pulchra**, Ward, 1885, p. 556, pl. lx, figs. 2, 3.
Montana Formation; Wyoming, U.S.A.
- **rotundifolia**, Newberry, 1883, p. 513.
Laramie Formation; New Mexico, U.S.A.
- **? sarthacensis**, Crié, 1879 (?), p. 24 [nomen nudum].
Cretaceous; Sainte-Croix, France.
- **speciosa**, Heer, 1869 A, p. 20, pl. vi, fig. 1; pl. ix, fig. 2; pl. x; pl. xi, fig. 1.
Cenomanian; Moletain, Moravia.
- **telonensis**, Saporta, 1879, p. 198, text-fig. 27, 3.
Turonian; Toulon, France.
- **tenuifolia**, Lesquereux, 1868, p. 100; & 1874, p. 92, pl. xxi, fig. 1.
Dakota Group; Nebraska, U.S.A.
- **Van Ingeni**, Hollick, 1894 A, p. 61, pl. clxxv, fig. 6.
Cretaceous; Long Island, U.S.A.
- **woodbridgensis**, Hollick in Newberry, 1895, p. 74, pl. xxxvi, fig. 11; pl. lvii, figs. 5-7.
Amboy Clay; New Jersey, U.S.A.
- Magnoliæphyllum ? sp.**, Krasser, 1896, p. 131, pl. xvii, fig. 12.
Cretaceous; Kunstadt, Moravia.
- Majanthemophyllum cretaceum**, Heer, 1882, p. 57, pl. xxx, fig. 22.
Atane Beds; Greenland.
- **lanceolatum**, Heer, 1882, p. 58, pl. xxx, fig. 21.
Patoot Beds; Greenland.
- **pusillum**, Heer, 1883 A, p. 18, pl. lv, figs. 17, 17 b. Ibid.
- Malapoenna carbonensis** (Ward), Knowlton, 1898, p. 142 (re-naming *Litsæa carbonensis*, Ward, 1885).
Laramie Formation; Wyoming, U.S.A.

- Malapoenna cretacea** (Lesquereux), Knowlton, 1898, p. 142 (re-naming *Litsea cretacea*, Lx., 1892). Dakota Group; Kansas, U.S.A.
- **falcifolia** (Lesquereux), Knowlton, 1898, p. 142 (re-naming *Litsea falcifolia*, Lx., 1892). Ibid.
- **horrellensis**, Berry, 1910 A, p. 198, pl. xxiv, figs. 1-9.
Middle Cretaceous; North Carolina, U.S.A.
- **macrophyloides**, Knowlton, 1900 A, p. 57, pl. xiv, figs. 4, 5.
Montana Formation; Wyoming, U.S.A.
- **Weediana**, Knowlton, 1898, p. 142 (re-naming *Litsea Weediana*, Knowlton, 1893).
- **sp.**, Hollick, 1906 A, p. 78, pl. xxxi, fig. 4.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Malpighiastrum cretaceum**, Eitingshausen, 1893, pp. 138, 150; & 1895, p. 47, pl. iv, fig. 1. Cretaceous; Australia.
- Mammacites Francheti**, Fliche, 1896, p. 283, pl. xiii, figs. 7 and 71.
Cenomanian; Chaudefontaine, France.
- Manihotites georgiana**, Berry, 1910 B, p. 507, text-figs. 1, 2.
Upper Cretaceous; Georgia, U.S.A.
- Mantellia ? Babbagensis**, Woodward, 1885, p. 290, pl. vii, figs. 1-3.
Cretaceous (?); Mt. Babbage, Australia.
- **inclusa**, Carruthers, 1870, p. 703, pl. lxiii, figs. 2, 3. (= *Cycadeoidea inclusa* (Carr.), Schimper, 1874.)
Lower Greensand; Potton.
- Marattia cretacea**, Velenovsky, 1888 B, p. 9, pl. i, fig. 13.
Perucer Beds; Bohemia.
- **minor**, Saporta, 1894, p. 83, pl. xvi, fig. 14.
Valanginian; Portugal.
- Marattites desideratus**, Marion & Laurent, 1898, p. 189, pl. i, fig. 1.
Cretaceous; Roumania.
- Marsilea Andersoni**, Hollick, 1905 c, p. 409, pl. lxxi, figs. 1-3.
Cretaceous; Long Island, U.S.A.
- **attenuata**, Hollick, 1894 D, p. 256, pl. ccv, fig. 10. (= *Salvinia attenuata*, Lesquereux, 1876 c.)
Laramie Formation; Wyoming, U.S.A.
- Marsilia cretacea**, Heer, 1882, p. 39, pl. xvi, figs. 11, 12. .
Atane Beds; Greenland.
- ? (**Baiera**) **grandis**, Heer, 1874, p. 37, pl. iii, fig. 4. Ibid.
- **perucensis** (Velenovsky), Bayer in Fritsch & Bayer, 1901, p. 86, text-fig. 34. (= *Marsilia sp.*, Velenovsky.)
Perucer Beds; Vyserovic, Bohemia.
- ? **sp.**, Velenovsky, 1888, p. 597, figs. 11-13. (= *M. perucensis* (Velenovsky), Bayer.) Ibid.
- Matonia Wiesneri**, Krasser, 1896, p. 119, pl. xi, fig. a 1; pl. xii, figs. 1 & 2; pl. xvi, fig. 10. (= *Matonidium Wiesneri*, Krasser, 1889.)
Cenomanian; Kunstadt, Moravia.
- Matonidium Althausii** (Dunker), Ward, 1899 B, p. 653, pl. 160, figs. 5-8. Lower Cretaceous; Black Hills, U.S.A.

- Matonidium Wiesneri**, Krasser, 1889, p. 34 [nomen nudum]. (= *Matonia Wiesneri*, Krasser, 1896.) Cenomanian; Kunstadt, Moravia.
- Megalozamia falciiformis**, Hosius & von der Marck, 1880, p. 203, pl. xliii, figs. 181-183 *a* & *b*. Lower Gault; Westphalia.
- Melastomites cuneiformis**, Hosius & von der Marck, 1880, p. 190, pl. xl, fig. 159. Lower Senonian; Westphalia.
- **parvula**, Unger, 1865, p. 377, pl. i, fig. 8. Cretaceous (?); Deva, Transylvania.
- Melophytum cyclostigma**, Debey & Eltingshausen, 1859 b, p. 241, pl. vii, figs. 28-30. Senonian; Aix, Rhenish Prussia.
- Menispermities acerifolia**, Lesquereux, 1874, p. 96, pl. xx, figs. 2, 3. (= *Acerites menispermifolia*, Lesquereux, 1868 = *Menispermities menispermifolia*, Knowlton, 1898.) Dakota Group; Nebraska, U.S.A.
- **acutitubus**, Lesquereux, 1883, p. 78, pl. xiv, fig. 2. Dakota Group; Kansas, U.S.A.
- **borealis**, Heer, 1882, p. 91, pl. xxxix, fig. 2. Atane Beds; Greenland.
- **Brysoniana**, Hollick, 1894 a, p. 59, pl. clxxx, fig. 10. Cretaceous; Long Island, U.S.A.
- **? bunzlaviensis**, Roemer, 1889, p. 144, pl. xii, fig. 9. Senonian; Bunzlau, Silesia.
- **californicus**, Fontaine in Ward, 1905, p. 268, pl. lxix, figs. 12-14. Shasta Formation; California, U.S.A.
- **cercidifolius**, Saporta, 1894, p. 191, pl. xxxv, fig. 7. Albian; Portugal.
- **cyclophyllus**, Lesquereux, 1876 b, p. 358, pl. vi, fig. 4. Dakota Group; Kansas, U.S.A.
- **dentatus**, Heer, 1882, p. 92, pl. xxxviii, fig. 4. Atane Beds; Greenland.
- **grandis**, Lesquereux, 1883, p. 80, pl. xv, figs. 1-2. Dakota Group; Kansas, U.S.A.
- **Knightii**, Knowlton, 1900 a, p. 61, pl. xv, fig. 2. Montana Formation; Wyoming, U.S.A.
- **menispermifolius** (Lesquereux), Knowlton, 1898, p. 143 (renaming *Acerites menispermifolius*, Lx., 1868 & *Menispermities acerifolia*, Lesquereux, 1874). Dakota Group; Nebraska, U.S.A.
- **obtusiloba**, Lesquereux, 1874, p. 94, pl. xxv, figs. 1-2; pl. xxvi, fig. 3. Dakota Group; Kansas, U.S.A.
- **obtusiloba**, var. (?), Lesquereux, 1874, p. 95, pl. xxii, fig. 1. (= *Dombeyopsis obtusiloba*, Lesquereux, 1868.) Ibid.
- **ovalis**, Lesquereux, 1876 a, p. 398; & 1876 b, p. 357, pl. v, fig. 4. Ibid.
- **populifolius**, Lesquereux, 1876 b, p. 357, pl. v, fig. 3. Ibid.
- **reniformis**, Dawson, 1883, p. 23, pl. iv, fig. 12. Upper Cretaceous; North-West Territory, Canada.
- **rugosus**, Lesquereux, 1892, p. 196, pl. xxix, fig. 7. Dakota Group; Kansas, U.S.A.

- Menispermites salinæ** (Lesquereux), Knowlton, 1898, p. 143 (re-naming *Populites Salinæ*, Lx., 1873). Dakota Group; Kansas, U.S.A.
 — **salinensis**, Lesquereux, 1874, p. 95, pl. xx, figs. 1, 4. Ibid.
 — **tenuinervis**, Fontaine, 1889, p. 322, pl. clxxii, fig. 8.
 Potomac Formation; Maryland, U.S.A.
 — **virginiensis**, Fontaine, 1889, p. 321, pl. clxi, figs. 1, 2.
 Potomac Formation; Virginia, U.S.A.
 — **Wardianus**, Hollick in Newberry, 1895, p. 85, pl. xxix, figs. 9, 11.
 Amboy Clay; New Jersey, U.S.A.
 — **sp.**, Dawson, 1894, p. 62, pl. xi, fig. 50.
 Upper Cretaceous; Vancouver Island, Canada.
 — **sp.**, Hollick, 1906 A, p. 62, pl. xii, fig. 7 (for *Hedera* sp.?, Hollick).
 Cretaceous; Staten Island, U.S.A.
Menispermophyllum Celakovskianum, Velenovsky, 1889, p. 54
 [nomen nudum]. (= *Menispermophyllum Celakovskii*, Velenovsky.)
 Perncer Beds; Bohemia.
 — **Celakovskii**, Velenovsky, in Fritsch & Bayer, 1901, p. 128. Ibid.
Menispermum (Cocculus) assimile, Marion, 1890, p. 1054.
 Turonian; Martigues, France.
Mertensia Kurriana (Heer), Engelhardt, 1892 A, p. 84. (= *Gleichenia*
Kurriana, Heer.) Cretaceous; Bohemia.
 — **Zippei**, Engelhardt, 1892 A, p. 83. (= *Pecopteris Zippei*, Corda=
Gleichenia Zippei, Heer.) Ibid.
Metrosideros perigrinus, Heer, 1874 A, p. 116, pl. xxvii, fig. 22.
 Atane Beds; Greenland.
Microdictyon regale, Richter, 1899 A, p. 40.
 Senonian; Quedlinburg, Saxony.
Microlepidia pluripartita, Saporta, 1894, p. 83, pl. xv, fig. 17; pl. xvi,
 fig. 24. Valanginian; Portugal.
Microlepidium striatulum, Velenovsky, 1889, p. 11, pl. i, figs. 25-27.
 Cenomanian; Bohemia.
Microzamia? dubia, Berry, 1905 A, p. 43, pl. i, fig. 2.
 Cretaceous; New Jersey, U.S.A.
 — **gibba**, Corda in Reuss, 1846, p. 85, pl. xlvi, figs. 1-10. (= *Conites*
gibbus, Reuss, 1844.) Quader & Pläner; Bohemia.
Mimusops ballotæoides, Engelhardt, 1892 A, p. 98, pl. ii, fig. 13.
 Quader; Saxony.
Mitropicea Decheni, Debey, 1848 A, p. 120 [nomen nudum].
 Senonian; Aix, Rhenish Prussia.
 — **Noeggerathii**, Debey, 1848 A, p. 120 [nomen nudum]. Ibid.
Monheimia aquisgranensis, Debey & Ettingshausen, 1859 B, p. 211,
 pl. iv, figs. 3-10. Ibid.
 — **polypodioides**, Debey & Ettingshausen, 1859 B, p. 211, pl. iii,
 figs. 34-36; pl. iv, figs. 1-2, 21. Ibid.
Monimia præ-vestita, Ettingshausen, 1893, pp. 135, 149; & 1895,
 p. 23, pl. ii, figs. 13, 14. Cretaceous; Australia.
Moriconia americana, Berry, 1910 H, p. 20.
 Magothy Formation; Maryland, U.S.A.

- Moricona cyclotoxon**, Debey & Ettingshausen, 1859 a, p. 239, pl. vii, figs. 23-27. Senonian; Aix, Rhenish Prussia.
- Morinium populifolium**, Ettingshausen in Reuss, 1854, p. 740 [nomen nudum]. Cenomanian; Moletain, Moravia.
- Munieria baconica**, von Hantken in Deecke, 1883, p. 9, pl. i, figs. 4-10. Cretaceous; Austria.
- Münsteria annulata**, Unger. (= *Keckia annulata*, Glocker, 1841.)
- **cretacea**, W. A. Ooster, 1871, p. 69, pl. xi, fig. 24. Upper Cretaceous; Switzerland.
- ? **Goepperti**, Geinitz, 1850 A, p. 266. Quadersandstein; Silesia.
- **Keckii**, Unger, 1850 A, p. 14. (= *Muensteria annulata*, Unger = *Keckia annulata*, Glocker, 1841.)
- **Massalongiana**, Zigno, 1864, p. 525 [nomen nudum]. Neocomian; Italy.
- **rugosa**, Zigno, 1864, p. 525 [nomen nudum]. Ibid.
- **Schneideriana**, Goeppert, 1842 A, p. 115, pl. li, fig. 3. Quadersandstein; Silesia.
- **spiralis**, Massalongi, 1857, p. 778 [nomen nudum]. Neocomian; Italy.
- Muscites cretaceus**, Debey & Ettingshausen, 1859 B, p. 185, pl. i, fig. 6. Senonian; Aix, Rhenish Prussia.
- Myrica acuta**, Hollick in Newberry, 1895, p. 65, pl. xlii, fig. 35. Amboy Clay; U.S.A.
- **aspera**, Lesquereux, 1892, p. 66, pl. ii, fig. 11. Dakota Group; Kansas, U.S.A.
- **Brittoniana**, Berry, 1905 A, p. 46. (= *Myrica Heerii*, Berry, non Boulay, 1903.) Cretaceous; New Jersey, U.S.A.
- **Brookensis**, Fontaine, 1889, p. 310, pl. cl, fig. 11; pl. clvi, fig. 10. Potomac Formation; Virginia, U.S.A.
- **Campei**, Marion, 1890, p. 1054 [nomen nudum]. Turonian; Martigues, France.
- **cinnamomifolia**, Newberry, 1895, p. 64, pl. xxii, figs. 9-14. Amboy Clay; New Jersey, U.S.A.
- **cliffwoodensis**, Berry, 1904 A, p. 73, pl. iv, fig. 1. Matawan Formation; Cliffwood, New Jersey, U.S.A.
- **cretacea**, Heer (*non* Lesquereux), 1871 A, p. 10, pl. iii, fig. 2 a-c. Senonian; Quedlinburg, Saxony
- **cretacea**, Lesquereux, 1876 A, p. 392; & 1876 B, p. 339, pl. iii, fig. 4. (Name pre-occupied, = *M. dakotensis*, Lx., 1883.) Dakota Group; Kansas, U.S.A.
- **dakotensis**, Lesquereux, 1883, p. 35, pl. iv, fig. 9. (= *M. cretacea*, which name was preoccupied by Heer.) Ibid.
- **Davisii**, Hollick, 1893, p. 32, pl. ii, fig. 3. Cretaceous; Kreischerville, New York, U.S.A.
- **elegans**, Berry, 1907, p. 191, pl. xi, figs. 1-4, 6. Middle Cretaceous; North Carolina, U.S.A.
- **emarginata**, Heer, 1882, p. 66, pl. xli, fig. 2; pl. xlii, fig. 12 e. Atane Beds; Greenland.

- Myrica fenestrata**, Newberry, 1895, p. 63, pl. xlii, fig. 32.
Amboy Clay; New Jersey, U.S.A.
- **fragiliformis** (Zenker), Engelhardt, 1892 A, p. 98. (= *Salix fragiliformis*, Zenker, 1833.) Cenomanian; Niederschöbena, Saxony.
- **Gaudryi**, Marion, 1890, p. 1054 [nomen nudum].
Turonian; Martigues, France.
- **gracilior**, Saporta, 1894, p. 218, pl. xxxviii, figs. 10-11.
Cenomanian; Portugal.
- **grandifolia**, Hollick, 1893, p. 32, pl. iii, fig. 1. (Name pre-occupied = *M. Hollicki*, Ward, 1893.)
Raritan (?) Formation; Staten Island, U.S.A.
- **Heerii**, Berry, 1903 c, p. 682, text-figs. 7, 8, p. 678. (= *Myrica Brittoniana*, Berry, 1905 A.)
Matawan Formation; New Jersey, U.S.A.
- **Hollicki**, Ward, 1893, p. 437. (= *M. grandifolia*, Hollick, 1893.)
- **indigena**, Krasser, 1889, p. 34; & 1896, p. 129, pl. xv, fig. 1.
Cenomanian; Kunstadt, Moravia.
- **lacera**, Saporta, 1894, p. 200, pl. xxxvi, figs. 6, 7.
Upper Albian; Portugal.
- **leiophylla**, Hosius & von der Marck, 1880, p. 155, pl. xxviii, fig. 47.
Upper Senonian; Haldem, Westphalia.
- **Lessigiana**, Lesquereux. (= *Artocarpus Lessigiana*, Knowlton.)
- **longa**, Heer, 1882, p. 65, pl. xviii, fig. 9 b; pl. xxix, figs. 15-17; pl. xxxiii, fig. 10; pl. xli, fig. 4 b, d. (= *Proteoides longus*, Heer, 1874 A.)
Atane Beds; Greenland.
- **Newberryana**, Hollick in Newberry, 1895, p. 63, pl. xlii, fig. 5.
Amboy Clay; New Jersey, U.S.A.
- **obliqua**, Knowlton in Lesquereux, 1892, p. 68, pl. lxiv, fig. 16.
Dakota Group; Kansas, U.S.A.
- **obtusa**, Lesquereux, 1874, p. 63, pl. xxiv, fig. 10. Ibid.
- **(Comptonia) parvula**, Heer, 1883 A, p. 20, pl. lv, figs. 1-3.
Patoot Beds; Greenland.
- **præcox**, Heer, 1883 A, p. 21, pl. lv, fig. 4. Ibid.
- **primæva**, Hosius & von der Marck, 1880, p. 155, pl. xxviii, fig. 46.
Upper Senonian; Haldem, Westphalia.
- **pseudo-lignitum**, Ettingshausen, 1893, pp. 136, 148; & 1895, p. 15, pl. i, figs. 4, 5. Cretaceous; Australia.
- **raritanensis**, Hollick in Newberry, 1895, p. 65, pl. xlii, fig. 34.
? Amboy Clay; U.S.A.
- **revisenda**, Saporta, 1894, p. 201, pl. xxxvi, fig. 5.
Upper Albian; Portugal.
- **Rougoni**, Marion, 1890, p. 1054 [nomen nudum].
Turonian; Martigues, France.
- **Schenkiana**, Heer, 1871 A, p. 11, pl. iii, fig. 1.
Senonian; Quedlinburg, Saxony.
- **Schimperi**, Lesquereux, 1892, p. 66, pl. ii, fig. 12.
Dakota Group; Kansas, U.S.A.

- Myrica ? semina**, Lesquereux, 1874, p. 63, pl. xxvii, figs. 4, 4 a.
Dakota Group; Nebraska, U.S.A.
- **serrata**, Penhallow (*non* Velenovsky), 1907, p. 309, text-fig. 4.
Cretaceous; British Columbia, Canada.
- **serrata**, Velenovsky, 1883, p. 34, pl. x, figs. 1-8. (= *Myricophyllum serratum*, Velenovsky, 1889.)
Cenomanian; Bohemia.
- **Sternbergii**, Lesquereux, 1883, p. 35.
Dakota Group; Kansas, U.S.A.
- **thulensis**, Heer, 1871, p. 1183; & 1874 A, p. 107, pl. xxxi, fig. 1.
Atane Beds; Greenland.
- **Torreyi**, Lesquereux, 1873, p. 392; & 1878, p. 129, pl. xvi, figs. 3-10.
Montana Formation; Wyoming, U.S.A.
- **? trifoliata**, Newberry, 1898, p. 37, pl. xiv, fig. 2.
Dakota Group; New Mexico.
- **vernassiensis**, Bozzi, 1891, p. 378, pl. xvi, fig. 5.
Cretaceous (?); Vernasso, Italy.
- **Zenkeri** (Ettingshausen), Heer, 1874 A, p. 108, pl. xxxi, fig. 2.
Atane Beds; Greenland.
- **sp.**, Hollick, 1906 A, p. 54, pl. vii, fig. 22.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- (fruit?), Heer, 1882, p. 66, pl. xlvi, fig. 26.
Cenomanian; Greenland.
- **? sp.**, Knowlton, 1900 A, p. 34, pl. vi, fig. 4.
Montana Formation; Wyoming, U.S.A.
- **? sp.**, Lesquereux, 1874, p. 63, pl. xxvii.
Dakota Group; Kansas, U.S.A.
- **sp.**, Velenovsky, 1883, p. 11, pl. v, figs. 6-8. [Catkins and fruit.]
Cenomanian; Bohemia.
- Myricæphyllum dentatum**, Fontaine, 1889, p. 316, pl. clvi, fig. 6.
Potomac Formation; Virginia, U.S.A.
- Myricanthium amentaceum**, Velenovsky, 1883, p. 11, pl. v, figs. 9-12.
Cenomanian; Vyserovic, Bohemia.
- Myricophyllum asplenioides**, Lange, 1890, p. 667, pl. xxxiv, figs. 1, 2.
Senonian; Wingertsberg, Rhenish Prussia.
- **glandulosum**, Velenovsky, 1889, p. 15, pl. vi, figs. 6-8.
Cenomanian; Bohemia.
- **longepetiolatum**, Ettingshausen, 1893, pp. 139, 148; & 1895, p. 16, pl. i, fig. 29.
Cretaceous; Australia.
- **serratum**, Velenovsky, 1889. (= *Myrica serrata*, Velenovsky, 1883.)
- Myrsine borealis**, Heer, 1874 A, p. 113, pl. xxxii, fig. 23; & 1882, p. 81, pl. xxiv, figs. 7 b, 8; pl. xxvii, fig. 1 b; pl. xlv, figs. 19, 20.
Atane Beds; Greenland.
- **caloneura**, Bayer, 1893, pp. 23-43, fig. 16; & Bayer in Fritsch, 1893, p. 131, text-fig. 188.
Senonian; Priesen, Bohemia.
- **crassa**, Lesquereux, 1892, p. 114, pl. lii, figs. 2, 3.
Dakota Group; Kansas, U.S.A.

- Myrsine elongata**, Newberry MS. in Hollick, 1894 A, p. 54, pl. clxxvii, fig. 2; & Newberry, 1895, p. 122, pl. xxii, figs. 1-3 (re-named *Myrsine Gaudini*, Berry, 1909.) Cretaceous; Long Island, U.S.A.
- **Gaudini** (Lesquereux), Berry, 1909, p. 263. (Re-naming *Myrsinites? Gaudini*, Lesquereux, 1892, and *Myrsine elongata*, Hollick, 1894 A.) Raritan Formation; New Jersey, U.S.A.
- **manifesta**, Bayer, 1893, pp. 21, 43, fig. 15; & Bayer in Fritsch, 1893, p. 130, text-fig. 187. Senonian; Priesen, Bohemia.
- **oblongata**, Hollick in Newberry, 1895, p. 122, pl. xlii, fig. 15. ? Amboy Clay; U.S.A.
- Myrsinites? Gaudini**, Lesquereux, 1892, p. 115, pl. lii, fig. 4 (re-named *Myrsine Gaudini*, Berry, 1909). Dakota Group; Kansas, U.S.A.
- Myrsinophyllum revisendum**, Saporta, 1894, p. 186, pl. xxxiv, fig. 10. Albian; Portugal.
- **varians**, Velenovsky, 1889, p. 25, pl. iv, figs. 8, 9; pl. v, fig. 12; pl. vi, figs. 10, 11. Cenomanian; Bohemia.
- **venulosum**, Saporta, 1894, p. 204, pl. xxxvii, fig. 15. Upper Albian; Portugal.
- Myrtophyllum antiquorum**, Heer, 1871, p. 1184 [nomen nudum]. Atane Beds; Greenland.
- (**Eucalyptus?**) **Geinitzi**, Heer, 1869 A, p. 22, pl. xi, figs. 3, 4. (= *Eucalyptus Geinitzi*, Heer, 1882.) Cenomanian; Moletein, Moravia.
- **latifolium**, Ettingshausen, 1893, p. 150; & 1895, p. 50, pl. iv, fig. 19. Cretaceous; Australia.
- **longifolium**, Velenovsky, 1882 A, p. 214 [nomen nudum]. Cretaceous; Bohemia.
- **parvulum**, Heer, 1882, p. 94, pl. xv, fig. 11; pl. xxi, fig. 4. Atane Beds; Greenland.
- **pusillum**, Heer, 1871 A, p. 14, pl. iii, fig. 10. Senonian; Quedlinburg, Saxony.
- (**Eucalyptus?**) **Schuebleri**, Heer, 1869 A, p. 23, pl. xi, fig. 2. Cenomanian; Moletein, Moravia.
- **Warderi**, Lesquereux, 1892, p. 136, pl. liii, fig. 10. Dakota Group; Kansas, U.S.A.
- Nageiopsis acuminata**, Fontaine, 1889, p. 201, pl. lxxxv, fig. 11. Potomac Formation; Virginia, U.S.A.
- **angustifolia**, Fontaine, 1889, p. 202, pl. lxxxvi, figs. 8, 9; pl. lxxxvii, figs. 2-6; pl. lxxxviii, figs. 1, 3, 4, 6-8; pl. lxxxix, fig. 2. Ibid.
- **crassicaulis**, Fontaine, 1889, p. 193, pl. lxxix, figs. 2, 6; pl. lxxxii, fig. 1; pl. lxxxiv, figs. 3, 9, 11. Ibid.
- **decrescens**, Fontaine, 1889, p. 199, pl. lxxvii, fig. 3. Ibid.
- **heterophylla**, Fontaine, 1889, p. 201, pl. lxxxiv, fig. 4; pl. lxxxvi, figs. 6, 7; pl. lxxxviii, figs. 2, 5. Ibid.

- Nageiopsis inaequilateralis**, Fontaine, 1889, p. 200, pl. lxxv, fig. 6.
(=*Podozamites inaequilateralis*, Berry, 1910 c.)
Potomac Formation; Virginia, U.S.A.
- **latifolia**, Fontaine, 1889, p. 198, pl. lxxxii, fig. 3. (= *Podozamites latifolius*, Berry, 1910 c.) Ibid.
- **longifolia**, Fontaine, 1889, p. 195, pl. lxxv, fig. 1; pl. lxxvi, figs. 2-6; pl. lxxvii, figs. 1, 2; pl. lxxviii, figs. 1-5; pl. lxxix, fig. 7; pl. lxxxv, figs. 1, 2, 8, 9. Ibid.
- **microphylla**, Fontaine, 1889, p. 201, pl. lxxxiv, fig. 6; pl. lxxxv, fig. 14; pl. lxxxvi, figs. 1-3, 5. Ibid.
- **montanensis**, Fontaine in Ward, 1905, p. 312, pl. lxxiii, fig. 10.
Kootanie Formation; Montana, U.S.A.
- **obtusifolia**, Fontaine, 1889, p. 200, pl. lxxxv, fig. 7.
Potomac Formation; Virginia, U.S.A.
- **ovata**, Fontaine, 1889, p. 199, pl. lxxvii, fig. 4; pl. lxxx, fig. 5. Ibid.
- **recurvata**, Fontaine, 1889, p. 197, pl. lxxv, fig. 2; pl. lxxix, fig. 4; pl. lxxx, fig. 3. Ibid.
- **subfalcata**, Fontaine, 1889, p. 203, pl. clxviii, fig. 4. Ibid.
- **zamioides**, Fontaine, 1889, p. 196, pl. lxxix, figs. 1, 3; pl. lxxx, figs. 1, 2, 4; pl. lxxxi, figs. 1-6. Ibid.
- Nathorstia angustifolia**, Heer, 1880 b, p. 7, pl. i, figs. 1-6.
Kome Beds; Greenland.
- **firma**, Heer, 1880 b, p. 7, pl. i, fig. 7, (= *Danaeites firmus*, Heer.) Ibid.
- **latifolia**, Nathorst, 1908, p. 17, pl. iii. Cenomanian; Greenland.
- Nathorstiana arborea**, Richter, 1909, p. 3, pl. viii, figs. 1, 2, 3, 5, 8, 13 u (14); pl. x, figs. 11, 15. Senonian; Quedlinburg, Saxony.
- **gracilis**, Richter, 1909, p. 4, pl. viii, figs. 4, 6, 7, 9-12; pl. ix, figs. 3, 8 (9); pl. x, figs. 1-4, 6, 7 (12, 14, 16). Ibid.
- **squamosa**, Richter, 1909, p. 6, pl. ix, figs. 1, 2, 4-7, 10-13; pl. x, fig. 17. Ibid.
- Nechalea fluitans**, Debey in Murlon, 1881, p. 133 [nomen nudum].
Upper Cretaceous; Belgium.
- **lobata**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **minor**, Debey in Murlon, 1881, p. 133 [nomen nudum].
Upper Cretaceous; Belgium.
- **petiolata**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **serrata**, Debey, 1848 a, p. 115 [nomen nudum]. Ibid.
- Nectandra imperfecta**, Hollick, 1906 a, p. 76, pl. xxvii, figs. 13, 14.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Negundoides acutifolia**, Lesquereux, 1868, p. 101; & 1874, p. 97, pl. xxi, fig. 5. Dakota Group; Nebraska, U.S.A.
- Nelumbium arcticum**, Heer, 1882, p. 92, pl. xi, fig. 6.
Atane Beds; Greenland.
- **Choffati**, Saporta, 1894 a, p. 836. Lower Cretaceous; Portugal.

Nelumbium gallo-provinciale, Saporta, 1882, p. 924.

Cretaceous of Fuveau; Trest, France.

— **lusitanicum**, Saporta, 1894 A, p. 835. Lower Albian; Portugal.

— **provinciale**, Saporta in Saporta & Marion, 1885, p. 125, text-fig. p. 128; & 1890, p. 5, pl. xii, fig. 1; pl. xiii, fig. 1; pl. xiv, figs. 1-6 a. Danian (?); France.

— **Saskatchuense**, Dawson, 1888, p. 35.

Belly River Series; Canada.

— **tenuifolium**, Lesquereux, 1873, p. 402; & 1878 B, p. 253, pl. xlv, fig. 3. Laramie Formation; Colorado, U.S.A.

Nelumbo Dawsoni, Hollick, 1894 D, p. 309 (re-naming *Brasenia antiqua*, Dawson, 1885). Belly River Series; Canada.

— **intermedia**, Knowlton, 1900 A, p. 53, pl. xiii, figs. 3-5.

Montana Formation; Wyoming, U.S.A.

— **Kempii**, Hollick, 1905 C, p. 412, pl. lxxiv, figs. 1, 2; pl. lxxv; pl. lxxvi; pl. lxxvii, fig. 1. (= *Serenopsis Kempii*, Hollick, 1893 B.)

Cretaceous; Long Island, U.S.A.

— **Laramiensis**, Hollick, 1894 D, p. 307, text-fig. on p. 308.

Laramie Formation; Colorado, U.S.A.

— **primæva**, Berry, 1905 E, p. 75, pl. xliii, fig. 1.

Matawan Formation; New Jersey, U.S.A.

— ? **sp.**, Knowlton, 1900 A, p. 54, pl. xiii, fig. 6.

Montana Formation; Wyoming, U.S.A.

Neomeris *cfr.* **annulus**, Parker & Jones in Böhm, 1903, p. 97.

Cenomanian; Guldtscha, Asia.

— (**Herouvalina**) **cretacea**, Steinmann, 1899, p. 200, text-figs. 42-46.

Upper Cretaceous; Mexico.

Nerium Roehli, von der Marck, 1864, p. 78, pl. xiii, fig. 3. 2-4.

Upper Senonian; Westphalia.

Neuropteridium spinulosum, Saporta, 1894, p. 79, pl. xvi, fig. 7 b.

Valanginian; Portugal.

— **torresianum**, Saporta, 1894, p. 79, pl. xviii, fig. 14. Ibid.

Neuropteris angulata, Newberry in Ives, 1861, p. 131, pl. iii, fig. 5.

Cretaceous; Arizona, U.S.A.

— **Castor**, Dawson, 1883, p. 24, pl. iv, figs. 14, 14 a.

Upper Cretaceous; Vancouver Island, Canada.

— **heterophylla cretacea**, Penhallow, 1902 B, p. 36.

Lower Cretaceous; Queen Charlotte Island, Canada.

Neurosporangium foliaceum, Debey & Ettingshausen, 1859 A, p. 190, pl. i, fig. 5. Senonian; Aix, Rhenish Prussia.

— **undulatum**, Debey & Ettingshausen, 1859 A, p. 192, pl. i, fig. 7.

Ibid.

Nicolia ægyptiaca, Unger, 1859, p. 213, pl. i, figs. 1, 2; & 1866 A, p. 291, pl. i. Cretaceous or Tertiary; Egypt & Abyssinia.

— **Moresneti**, Hovelacque, 1889, p. 505; & 1890, p. 63, text-figs. 2-8, pl. iii, fig. 2. (= *Aachenosaurus multidentis*, in part.)

Senonian; Moresnet, Belgium.

- Nicolia Owenii**, Carruthers, 1870 A, p. 310, pl. xiv, figs. 1, 2.
Cretaceous (?); Cairo.
- Nilssonia bohémica**, Velenovsky, 1885, p. 11, pl. ii, figs. 25-28;
pl. iii, fig. 12.
Cenomanian; Bohemia.
- **californica**, Fontaine, 1905 A, p. 252, pl. lxvii, fig. 7.
Neocomian; California, U.S.A.
- **densinerve** (Fontaine), Berry, 1910 D, p. 639 (spelt *Nilssonia*;
= *Platypterigium densinerve*, Fontaine.)
Potomac Formation; Virginia, U.S.A.
- **Gibbsii** (Newberry), Hollick in Newberry, 1898, p. 16, pl. xv,
figs. 2, 2 a (re-naming *Tæniopteris Gibbsii*, Newberry, 1863).
Cretaceous; Washington, U.S.A.
- **Johnstrupi**, Heer, 1882, p. 44, pl. vi, figs. 1-6.
Atane Beds; Greenland.
- **lata**, Dawson, 1883, p. 24, pl. iv, figs. 15 bis, 15 a.
Upper Cretaceous; Vancouver Island, Canada.
- **nigracollensis**, Wieland in Ward, 1905, p. 319, pl. lxxiii,
figs. 15 a-d.
Dakota Group; S. Dakota, U.S.A.
- **oregonensis** (Fontaine), Berry, 1910 D, p. 637. (= *Sapindopsis*
oregonensis, Fontaine, 1905 A.)
Potomac Formation; Virginia, U.S.A.
- **orientalis**, Heer, internal anatomy discovered in Upper Cretaceous
of Japan by Stopes, 1910 A.
- **pasaytensis**, Penhallow, 1907, p. 307, text-fig. 3.
British Columbia, Canada.
- **polymorpha cretacea**, Penhallow, 1902 B, p. 42.
Lower Cretaceous; Queen Charlotte Island, Canada.
- **pterophylloides**, Yokoyama, 1894, p. 228, pl. xxii, figs. 8-10;
pl. xxv, fig. 7.
Neocomian; Japan.
- **? sambucensis**, Ward, 1905, p. 254, pl. lxvii, fig. 8.
Shasta Formation; California, U.S.A.
- **schaumbergensis** (Dunker), Nathorst, 1890, p. 45, pl. i, figs. 6-9;
& Yokoyama, 1894, p. 227, pl. xx, figs. 12, 14; pl. xxi, fig. 14;
pl. xxii, figs. 5-7.
Neocomian; Japan.
- **Stantoni**, Ward, 1905, p. 251, pl. lxvii, figs. 5, 6.
Shasta Formation; California, U.S.A.
- Nipadites cretaceus**, Massalongo, 1857, p. 778 [nomen nudum].
Neocomian; Verona, Italy.
- **provincialis**, Saporta, 1868, p. 303, text-fig. 2.
Upper Cretaceous; France.
- Niponophyllum cordaitiforme**, Stopes & Fujii, 1910, pp. 16-23,
pl. iii, figs. 14-16, text-figs. 5-7.
Upper Cretaceous; Hokkaido, Japan.
- Nitella cosinensis**, Stache, 1889, p. 121, pl. iii, figs. 4, 5, 6.
Liburnian (Upper Cretaceous); Cosina.
- **devisita**, Stache, 1889, p. 136, pl. iii, figs. 56, a, b.
Upper Cretaceous (?); Corgnole.

- Nitella?** (*Chara*) **globulus**, Stache, 1889, p. 121, pl. i *a*, fig. 16.
Liburnian; Cosina.
- **robusta**, Stache, 1889, p. 136, pl. iv, fig. 7. (= *Chara robusta*,
Stache, 1880.) Upper Cretaceous (?); Divacea.
- **Stacheana** (Unger), Stache, 1889, p. 135, pl. iii, figs. 54, *a*, *b*, *c*, *d*;
pl. iv, figs. 1 *a*, *b*; pl. v, figs. 40 *a*, *b*. (= *Chara Stacheana*, Unger,
1860.) Upper Cretaceous (?); Cosina.
- **subimpressa**, Stache, 1889, p. 136, pl. iii, figs. 55 *a*, *b*.
Upper Cretaceous (?); Trieste.
- Noeggerathiopsis Robinsi**, Dawson, 1894, p. 56, pl. vi, fig. 7.
Upper Cretaceous; Vancouver Island, Canada.
- Nordenskiöldia borealis**, Heer, 1870 A, p. 65, pl. vii, figs. 1-13.
Recorded Lesquereux, 1892, p. 219, in Dakota Group, Kansas.
- Nothopegoxylon scalariforme**, Gothan, 1908 A, p. 20, pl. ii, figs. 14
-18. Cretaceous (?); Antarctica.
- Nullipora gracilis**, Reuss, 1846, p. 66, pl. xvi, figs. 4-6.
Upper Cretaceous; Bohemia.
- Nulliporites granulosus**, Heer, 1865, p. 190, text-fig. 103; & 1877,
p. 143, pl. lviii, figs. 10, 11. Cretaceous; Switzerland.
- Nyssa Buddiana**, Ward, 1887, p. 53, pl. xlvii, fig. 7.
Laramie Formation; Wyoming, U.S.A.
- **cuneatus**, Newberry, 1863, p. 524; & 1898, p. 125, pl. xvii, figs. 4-6.
Cretaceous (?); Washington, U.S.A.
- **Snowiana**, Lesquereux, 1892, p. 126, pl. lii, fig. 11.
Dakota Group; Kansas, U.S.A.
- **vetusta**, Newberry, 1870, p. 11; & 1878, pl. ii, fig. 2 (as *Magnolia*
obovata); & 1898, p. 125, pl. i, fig. 2; pl. iv, fig. 4.
Dakota Group; Nebraska, U.S.A.
- Octea nassauensis**, Hollick, 1906 A, p. 76, pl. xxvii, fig. 8.
Middle Cretaceous; Long Island, U.S.A.
- Olea?** **myricoides**, Saporta, 1894, p. 220, pl. xxxix, fig. 25.
Cenomanian; Portugal.
- Oleandra arctica**, Heer, 1874 A, p. 38, pl. xii, figs. 3-11; pl. xxi, fig. 2 *b*.
Kome Beds; Greenland.
- **graminæfolia**, Knowlton, 1907, p. 113, pl. xi, figs. 5, 5 A, 6, 6 A.
Kootanie Formation; Montana, U.S.A.
- Oleandrium tenerum**, Saporta, 1890 A, p. 814; & 1894, p. 85, pl. xv,
fig. 3; pl. xvi, fig. 18. Valanginian; Portugal.
- Oncopteris Kauniciana** (Dormitzer), Velenovsky, 1888 B, p. 22, pl. v,
fig. 1. (= *Alsophilina Kauniciana*, Dormitzer, 1853.)
Perucr Beds; Bohemia.
- **Nettwalli**, Dormitzer in Krejci, 1853, p. 28, pl. ii.
Cenomanian; Bohemia.
- Onoclea inquirenda**, Hollick, 1906 A, p. 32, pl. i, figs. 1-7. (= *Caulin-*
ites inquirendus, Hollick, 1905 c.)
Magothy Formation; Long Island, U.S.A.

- Onoclea minima**, Knowlton, 1899 B, p. 656, pl. lxxvii, figs. 11-15.
Laramie Formation; Yellowstone Park, U.S.A.
- **sp.**, Nathorst, 1891, p. 24, pl. i, figs. 5-7.
Mecklenburg, nr. Rostock.
- Onychiopsis capsulifera** (Velenovsky), Nathorst, 1890, p. 55. (= *Thyrsopteris capsulifera*, Velenovsky, 1888.)
Peruczer Beds; Bohemia.
- **elegans**, Yokoyama, 1894, p. 215, pl. xxviii, figs. 7, 7 a.
Neocomian (?); Japan.
- **elongata** (Geyler), Yokoyama, 1889, recorded by Krasser, 1896, p. 121, pl. vii, fig.
Cenomanian; Kunstadt, Moravia.
- **Mantelli** (Brongniart), Seward, 1894, p. 41. (= *Sphenopteris Mantelli*, Brongn., 1828.)
Recorded Potomac Formation, Maryland, U.S.A., Fontaine, 1889, p. 91.
- **psilotoides** (Stokes & Webb), Ward, 1905, p. 155, and recorded p. 518, pl. cxiii, fig. 1. (= *O. Mantelli*, Seward, 1894.)
Older Potomac Formation; Virginia, U.S.A.
- Opegrapha antiqua**, Lesquereux, 1873, p. 390, & 1878 B, p. 36, pl. i, figs. 1-1 c.
Laramie Formation; Wyoming, U.S.A.
- Opegraphites striato-punctatus**, Debey, 1848 A, p. 116 [nomen nudum; cancelled, Debey, 1850].
Senonian; Aix, Rhenish Prussia.
- Ophioglossum granulatum**, Heer, 1883 A, p. 8, pl. lvii, figs. 8-9.
Patoot Beds; Greenland.
- Oreodaphne cretacea**, Lesquereux, 1874, p. 84, pl. xxx, fig. 5.
Dakota Group; Kansas, U.S.A.
- Oreodoxites plicatus**, Lesquereux, 1883, p. 122, pl. xviii, figs. 1-4.
Laramie Formation; Colorado, U.S.A.
- Osmunda arctica**, Heer, 1883 A, p. 7, pl. xlix, figs. 4-7; pl. l, figs. 6-8.
Patoot Beds; Greenland.
- **delawarensis**, Berry, 1906 B, p. 164, pl. viii, figs. 2-4.
Magothy Formation; Delaware, U.S.A.
- **Dicksonioides**, Fontaine, 1889, p. 146, pl. xli, fig. 5; pl. lviii, fig. 9; pl. lix, figs. 1, 4, 8, 9, 11; pl. lx, figs. 2, 4, 5, 9; pl. lxi, figs. 1, 2.
Potomac Formation; Virginia, U.S.A.
- **Dicksonioides latipennis**, Fontaine, 1889, p. 147, pl. lx, figs. 1, 3; pl. lxi, fig. 3.
Ibid.
- **Gerini**, Saporta, 1890 B, p. 183, pl. xi, fig. 1.
Upper Cretaceous; France.
- **haldemiana**, Hosius & von der Marck, 1880, p. 140, pl. xxv, fig. 18.
Upper Senonian; Haldem, Westphalia.
- **major**, Lesquereux, 1883, p. 121, pl. xviii, fig. 5.
Laramie Formation; Colorado, U.S.A.
- **montanensis**, Knowlton in Stanton & Hatcher, 1905, p. 129, pl. xiv, fig. 6.
Judith River Beds; Montana, U.S.A.
- **novæ-cæsaræ**, Berry, 1907 A, p. 671, text-fig. 2.
Magothy Formation; New Jersey, U.S.A.
- **Oebergiana**, Heer, 1874 A, p. 98, pl. xxvi, figs. 9, 9 b; pl. xxxii, fig. 7 a.
Atane Beds; Greenland.

- Osmunda petiolata**, Heer, 1874 A, p. 57, pl. iii, figs. 1 c, 2 b; pl. xx, fig. 10 c. Kome Beds; Greenland.
- **retinenda**, Saporta, 1894, p. 107, pl. xix, figs. 16-17. Lower Cretaceous (?); Portugal.
- **sphenopteroides**, Fontaine, 1889, p. 145, pl. xxv, fig. 13. Potomac Formation; Virginia, U.S.A.
- Osmundites skidegatensis**, Penhallow, 1902 A, p. 3, pls. i-v, text-figs. 1, 3 on pp. 6, 10; & 1902 B, p. 52, pls. vii-xi. Lower Cretaceous; Queen Charlotte Island, Canada.
- Osmundophyllum cretaceum**, Velenovsky, 1889, p. 6, pl. ii, fig. 21. Cenomanian; Bohemia.
- Otozamites** (?) **grönlandicus**, Heer, 1874 A, p. 99, pl. xxvi, fig. 2. Atane Beds; Greenland.
- Pachyphyllum Heerianum**, Saporta, 1894, p. 108, pl. xix, fig. 25. Lower Cretaceous (?); Portugal.
- Pachypteris cretacea**, Debey, 1849, p. 299 [nomen nudum]. Senonian; Aix, Rhenish Prussia.
- **dalmatica**, Kerner, 1896, p. 47, pl. ii; pl. iii, figs. 1, 4; pl. v, fig. 10. Cenomanian; Dalmatia.
- **dalmatica dentata**, Kerner, 1896, p. 47, pl. iii, fig. 3. Ibid.
- **dimorpha**, Kerner, 1896, p. 49, pl. iii, fig. 2; pl. v, fig. 8. Ibid.
- Pagiophyllum dubium**, Fontaine, 1894, p. 271, pl. xxxix, figs. 2-11. Trinity Division; Texas, U.S.A.
- **sp.**, Dawson, 1893, p. 90, text-fig. 14. Kootanie Formation; North-West Territory, Canada.
- Palæanthus** (**Williamsonia**) **problematicus**, Newberry, 1895, p. 125, pl. xxxv, figs. 1-9. (= *Williamsonia problematica* (Newby.), Ward, 1895.) Amboy Clay; New Jersey, U.S.A.
- Palæobromelia Jugleri**, Ettingshausen, 1852 B, p. 3, pl. i, fig. 1; pl. ii, figs. 1-3. [Probably egg-cases of fishes (Stopes).] Wealden; Hanover.
- Palæocassia angustifolia**, Ettingshausen, 1867 A, p. 261, pl. iii, figs. 6-7. (= *Cassia angusta*, Heer, 1882.) Cenomanian; Niederschoena, Saxony.
- **lanceolata**, Ettingshausen, 1867 A, p. 262, pl. i, fig. 8; pl. iii, fig. 8. Ibid.
- **laurinea**, Lesquereux, 1892, p. 147, pl. lxiv, fig. 12. Dakota Group; Kansas, U.S.A.
- **phaseolitoides**, Ettingshausen, 1887 A, p. 189, pl. ix, fig. 17. (= *Cassia præ-phaseolitoides*, Ettingshausen, 1895.) Upper Cretaceous; New Zealand.
- Palæocyparis flexuosa**, Saporta, 1894, p. 108, pl. xix, figs. 19-20, 26; pl. xx, figs. 1-5. Lower Cretaceous (?); Portugal.
- **obscura**, Saporta, 1894, p. 178, pl. xxxiv, fig. 8. Albian; Portugal.
- Palæohillia arkansana**, Knowlton, 1895, p. 387, text-figs. 1-3. Trinity Division; Arkansas, U.S.A.

- Palæochillia** sp., Holm, 1896, p. 207, pl. xvii, figs. 1, 2. [Structure of *P. arkansana*.] Trinity Division; Arkansas, U.S.A.
- Palæolepis bicornuta**, Saporta, 1894, p. 179, pl. xxxiii, fig. 4 c. Albian; Portugal.
- **cheiromorpha**, Saporta, 1894, p. 215, pl. xxxix, figs. 15-16. Cenomanian; Portugal.
- **emarginata**, Saporta, 1894, p. 179, pl. xxxiii, fig. 15. Albian; Portugal.
- **multipartita**, Saporta, 1894, p. 215, pl. xxxix, figs. 17-18. Cenomanian; Portugal.
- Palæostrobos crassipes**, Renger, 1866, p. 137, pl. i, figs. 2, 3, 4, 5. (= *Dammaries crassipes*, Goepfert.) Upper Cretaceous; Horice.
- **mirabilis**, Renger, 1866, p. 134, pl. i, fig. 1. (= *Krannera mirabilis*, Corda.) Upper Cretaceous; Novy Bydzov.
- Palæospathe Sarthacensis**, Crié, 1879 (?), p. 20. Cretaceous; Sainte-Croix, France.
- Paleodictyon giganteum**, Peruzzi, 1881, p. 1, pl. i, fig. 3. Cretaceous; Italy.
- Palinosphaeria** sp., Reinsch, 1905, p. 402, text-fig. 1. Upper Cretaceous.
- Paliurus affinis**, Heer, 1883 A, p. 42, pl. lxii, figs. 16-19. Patoot Beds; Greenland.
- **anceps**, Lesquereux, 1892, p. 166, pl. xxxv, fig. 4. Dakota Group; Kansas, U.S.A.
- **cretaceus**, Lesquereux, 1892, p. 165, pl. xxxv, fig. 3. Ibid.
- **integrifolius**, Hollick, 1894 A, p. 57, pl. clxxvii, figs. 5, 8, 12. Cretaceous; Long Island, U.S.A.
- **membranaceus**, Lesquereux, 1868, p. 101; & 1874, p. 108, pl. xx, fig. 6. Dakota Group; Nebraska, U.S.A.
- **minimus**, Knowlton, 1899 B, p. 659, pl. lxxvii, figs. 7-9. Laramie Formation; Yellowstone National Park, U.S.A.
- **montanus**, Dawson, 1886, p. 14. Mill Creek Series; Canada.
- **Neillii**, Dawson, 1894, p. 62, pl. xi, figs. 44, 45. Upper Cretaceous; Vancouver Island, Canada.
- **obovatus**, Lesquereux, 1892, p. 165, pl. xxxv, fig. 6. Dakota Group; Kansas, U.S.A.
- **ovalis**, Dawson, 1886, p. 14, pl. iv, figs. 4, 8. Mill Creek Series; Canada.
- **populiferus**, Berry, 1906 B, p. 177; & 1906 B, p. 153, pl. xx, fig. 1. Magothy Formation; New Jersey, U.S.A.
- **zizyphoides**, Lesquereux, 1873, p. 397; & 1878 B, p. 274, pl. li, figs. 1-6. Laramie Formation; Wyoming, U.S.A.
- Palmacites canaliculatus**, Schlotheim (*non* Heer), 1820, p. 326, pl. xvi, fig. 2. Quadersandstein; Gotha, Germany.
- **horridus**, Heer, 1869 A, p. 15, pl. v, fig. 1. Cenomanian; Molettein, Moravia.
- **obsoletus**, Schlotheim, 1820, p. 396, pl. xvi, fig. 3. Quadersandstein; Gotha, Germany.

- Palmacites Reichi**, Geinitz, 1850 A, p. 270.
Quadersandstein; Dittersbach.
- **rimosus**, Heer, 1876 B, p. 11, figs. 21, 22 [fruits].
Upper Cretaceous; Egypt.
- **varians**, Corda in Reuss, 1846, p. 87, pl. xlvii, figs. 7-9. (= *Fasciculites varians*, Unger, considered to be *Protopteris Sternbergi*, Corda, by Feistmantel, 1872.)
Pläner; Bohemia.
- **Zittelii**, Schenk, 1880 A, p. 657 [nomen nudum].
Nubian Sandstone; Cairo.
- ?**sp.**, Otto, 1852, p. 9, pl. iv, figs. 4, 5. Quadersandstein; Saxony.
- Palmocarpon cretaceum**, Miquel, 1853, p. 51, pl. vii.
Senonian: Limburg.
- Palmophyllum moleteinianum**, Krasser & Kubart, 1906 B, p. 47
[nomen nudum]. Cenomanian; Moletein, Moravia.
- Palmoxylon Andegavense**, Crié, 1892, p. 101, unnumb. pl., fig. 4.
Turonian (?); France.
- **angiorhiza**, Stenzel, 1904, p. 267, pl. xxiv, figs. 287-289.
Cenomanian (?); Tlacolula, Mexico.
- **Aschersoni**, Schenk, 1883, p. 6, pl. v, fig. 4.
Cretaceous (?); Egypt.
- **astron**, Stenzel, 1904, p. 257, pl. xx, figs. 208-213.
Cenomanian (?); Tlacolula, Mexico.
- **astron radicum**, Stenzel, 1904, p. 260, pl. xx, figs. 214-222.
Ibid.
- **astron verum**, Stenzel, 1904, p. 258, pl. xx, figs. 208-213. Ibid.
- **Boxbergæ** (Geinitz), Stenzel, 1904, p. 195, pl. ix, figs. 75-78.
Turonian; France.
- **cheyennense**, Wieland, 1903 A, p. 216 [nomen nudum].
Upper Cretaceous; Fort Pierre, S. Dakota, U.S.A.
- **Cottæ libycum**, Stenzel, 1904, p. 221, pl. xv, figs. 136, 137.
Upper Senonian; Egypt.
- **Lingerinum**, Crié, 1892, p. 99, unnumb. pl., figs. 1-3.
Turonian (?); France.
- **parvifasciculosum**, Vater, 1884, p. 830, pl. xxvii, figs. 2-3.
Lower Senonian; Harzburg.
- **parvifasciculatum**, Schenk, 1890, p. 888. (Same as *P. parvifasciculosum*.)
- **radiatum**, Vater, 1884, p. 831, pl. xxvii, fig. 4.
Lower Senonian (?); Helmstedt.
- **scleroticum**, Vater, 1884, p. 829, pl. xxvii, fig. 1.
Lower Senonian (?); Brunswick.
- **tenue**, Stenzel, 1904, p. 228, pl. xvi, figs. 145-151.
Cenomanian (?); Tlacolula, Mexico.
- **texense**, Stenzel, 1904, p. 185, pl. viii, figs. 61-63.
Cenomanian (?); Texas, U.S.A.
- **variable**, Vater, 1884, p. 832, pl. xxvi, fig. 5.
Lower Senonian (?); Helmstedt.

- Palmoxylon variabile verum**, Stenzel, 1904, p. 238, pl. xviii, figs. 188-196; pl. xix, fig. 197. Lower Senonian; North Germany.
- **Zitteli**, Schenk, 1883, p. 5, pl. ii, figs. 5-6.
Cenomanian (?); Libyan Desert.
- Panax cretacea**, Heer, 1871, p. 1183; & 1874 A, p. 114, pl. xxxii, figs. 9, 10. Atane Beds; Greenland.
- **globulifera**, Heer, 1883 A, p. 35, pl. lxii, fig. 8 b.
Patoot Beds; Greenland.
- **macrocarpa**, Heer, 1883 A, p. 35, pl. lxii, fig. 8. Ibid.
- Pandanus Aquisgranensis**, Debey in Mourlon, 1881, p. 133 [nomen nudum]. Senonian; Limburg.
- **austriacus**, Ettingshausen, 1852, p. 492, pl. xxiii, fig. 1.
Senonian; Austria.
- **pseudo-inermis**, Ettingshausen, 1852, p. 493, pl. xxiv, figs. 1-2; pl. xxv, fig. 1. Ibid.
- **Simildæ**, Stiehler, 1857, p. 454; & 1858, p. 75, pl. xiv.
Senonian; Quedlinburg, Saxony.
- **trinervis**, Ettingshausen, 1852, p. 494, pl. xxvi, fig. 1.
Senonian; Austria.
- Paracallipteris Potoniei**, Richter, 1904, p. 17, pl. i, fig. 13; & 1905, p. 6, pl. i, fig. 13. Senonian; Quedlinburg, Saxony.
- Paracedroxylon scituatense**, Sinnott, 1909, p. 171, pls. lxxx, lxxxi.
Cretaceous (?); Massachusetts, U.S.A.
- Paracredneria Fritschii**, Richter, 1905, p. 15, pl. ii, fig. 14; pl. iii, fig. 9. Upper Cretaceous; Westerhausen.
- Parathinnfeldia dubia**, Richter, 1904, p. 14, pl. i, fig. 3; & 1905, p. 5, pl. i, fig. 3. Senonian; Quedlinburg, Saxony.
- Parrotia Canfieldi**, Lesquereux, 1892, p. 141, pl. xxx, fig. 6.
Dakota Group; Kansas, U.S.A.
- **grandidentata**, Lesquereux, 1892, p. 140, pl. xxxix, figs. 2-4. Ibid.
- **? Winchelli**, Lesquereux, 1892, p. 140, pl. xxix, figs. 5, 6.
Dakota Group; Minnesota, U.S.A.
- Passiflora antiqua**, Newberry, 1895, p. 109, pl. xxiii, fig. 7.
Amboy Clay; Woodbridge, U.S.A.
- Pecopteris Andersoniana**, Heer, 1874 A, p. 41, pl. iii, figs. 7, 7 b.
Kome Beds; Greenland.
- **angustipennis**, Fontaine, 1889, p. 87, pl. xxi, fig. 10.
Potomac Formation; Virginia, U.S.A.
- **arctica**, Heer, 1868, p. 80, pl. i, fig. 13; pl. xliii, fig. 5.
Kome Beds; Greenland.
- **arenaria**, Hampe, 1855, p. 12 [nomen nudum].
Senonian; Quedlinburg, Saxony.
- **argutula**, Heer, 1871, p. 1182; & 1874 A, p. 96, pl. xxvi, figs. 8, 8 b.
Atane Beds; Greenland.
- **atyrkanensis**, Heer, 1878, p. 29, pl. viii, figs. 9-17.
Lower Cretaceous; Siberia.

- Pecopteris Bayeana**, Heer, 1871, p. 1181 [nomen nudum].
Kome Beds; Greenland.
- **bohémica**, Corda in Reuss, 1846, p. 95, pl. xlix, fig. 1.
Quadersandstein; Bohemia.
- **Bolbroeana**, Heer, 1871, p. 1181; & 1874 A, p. 41, pl. iii, fig. 6.
Kome Beds; Greenland.
- **borealis**, Brongniart, 1828, p. 351, pl. cxix, fig. 12; & Heer, 1868, p. 81, pl. i, fig. 14; pl. xlv, figs. 5, *a*, *b*.
Ibid.
- **brevipennis**, Fontaine, 1889, p. 86, pl. xxi, figs. 1-3.
Potomac Formation; Virginia, U.S.A.
- **Browniana**, Dunker. (= *Cladophlebis Browniana*, recorded from Canadian Kootanie, Dawson, 1893.)
- **Buftoni**, Johnston, 1896, p. 60, fig. 3. Cretaceous(?); Tasmania.
- **Choffatiana**, Heer, 1881, p. 15, pl. xi, figs. 9, 9 *b*.
Cretaceous; Portugal.
- **constricta**, Fontaine, 1889, p. 89, pl. xx, figs. 1, 2, 4.
Potomac Formation; Virginia, U.S.A.
- **cuspidata**, Schulze, 1888, p. 26 [nomen nudum].
Senonian; Heimbürg, Germany.
- **cycloloba**, Newberry in Ives, 1861, p. 130, pl. iii, figs. 3, 4, 4 *a*.
Base of Cretaceous(?); Arizona, U.S.A.
- **denticulata**, Heer, 1874 A, p. 95, pl. xxvi, figs. 7, 7 *b*.
Atane Beds; Greenland.
- **dilacerata**, Saporta, 1894, p. 78, pl. xviii, fig. 13.
Valanginian; Portugal.
- **dispersa**, Saporta, 1894, p. 170, pl. xxviii, fig. 13.
Albian; Portugal.
- **Geinitzii**, var., Fontaine in Weed & Pirsson, 1898, p. 481.
Kootanie Formation; Montana, U.S.A.
- **Geyleriana**, Nathorst, 1890, p. 48, pl. iv, fig. 1; pl. vi, fig. 1.
Lower Cretaceous; Japan.
- *cf.* **Haidingeri** (Debey & Ettingshausen), Zeiller, 1905, p. 331, pl. vii, fig. 6. Upper Cretaceous; Seltzi Izvor, Balkans.
- **hyperborea**, Heer, 1868, p. 81, pl. xlv, fig. 4.
Kome Beds; Greenland.
- **incerta**, Debey, 1848 A, p. 117 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **komensis**, Heer, 1882, p. 6, pl. iii, fig. 5. Kome Beds; Greenland.
- **kudlisetensis**, Heer, 1874 A, p. 97, pl. xxvi, fig. 18.
Upper Cretaceous; Greenland.
- **latiloba**, Heer, 1878, p. 28, pl. viii, figs. 5-6.
Lower Cretaceous(?); Siberia.
- **lobifolia**, Corda (*non* (Phill.) Lindley & Hutton) in Reuss, 1846, p. 95, pl. xlix, figs. 4, 5. Lower Quader; Bohemia.
- **microdonta**, Fontaine, 1889, p. 85, pl. xix, fig. 8; pl. xx, figs. 5, 11.
Potomac Formation; Virginia, U.S.A.
- **minor**, Velenovsky. 1888 B, p. 19, pl. iii, fig. 18.
Perucer Beds; Bohemia.

- Pecopteris minutula**, Saporta, 1894, p. 170, pl. xxviii, fig. 14.
Albian; Portugal.
- **montanensis**, Fontaine, 1893, p. 492, pl. lxxxiii, figs. 1, 1 a.
Kootanie Formation; Montana, U.S.A.
- **nebraskana**, Heer, 1863, p. 332, text-fig. 8 (re-named *Cyatheites nebraskana*, Knowlton, 1898). Dakota Group; Nebraska, U.S.A.
- **Nordströmi**, Heer, 1871, p. 1182 [nomen nudum].
Atane Beds; Greenland.
- **Oebergiana**, Heer, 1871, p. 1182 [nomen nudum]. Ibid.
- **osmundacea**, Schulze, 1888, p. 26 [nomen nudum].
Senonian; Heimbürg, Germany.
- **ovatodentata**, Fontaine, 1889, p. 85, pl. xv, fig. 8; pl. xxii, fig. 12; pl. xxiii, fig. 1. Potomac Formation; Virginia, U.S.A.
- **pachyphylla**, Fontaine, 1889, p. 88, pl. xxvi, figs. 4, 5. Ibid.
- **Pfaffiana**, Heer, 1871, p. 1182; & 1874 A, p. 95, pl. xxvi, fig. 5.
Atane Beds; Greenland.
- **polypodioides**, Debey (*non* Brongniart), 1849, p. 299 [nomen nudum]. Senonian; Aix, Rhenish Prussia.
- **Reichiana**, Brongniart (*non* (Goepfert), Schimper, *nec* Presl), 1828, p. 302, pl. cxvi, fig. 7. Cenomanian; Niederschoena, Saxony.
- **Reichiana**, Presl in Sternberg, 1838, p. 155, pl. xxxvii, fig. 2.
Quadersandstein; Bavaria.
- **reticulata**, Stokes & Webb, 1824, p. 424, pl. xli, fig. 5; pl. xlvii, fig. 3. (= *Weichselia reticulata* (Stokes & Webb), Ward, 1899.)
Wealden; Tilgate Forest.
- **Schonæ**, Reich in Cotta, 1836, p. 586.
Quadersandstein; Freiberg, Saxony.
- **serrulata**, Heer (*non* Hartt, *nec* (Lesquereux) Schimper), 1871, p. 1182 [nomen nudum]. Atane Beds; Greenland.
- (*Pteris*?) **socialis**, Heer, 1882, p. 34, pl. vii, fig. 4; pl. viii, fig. 15; pl. xxxii, fig. 9. Ibid.
- **striata**, Presl in Sternberg, 1838, p. 155, pl. xxxvii, figs. 3, 4.
Quadersandstein; Bavaria.
- **strictinervis**, Fontaine, 1889, p. 84, pl. xiii, figs. 6-8; pl. xix, fig. 9; pl. xx, fig. 3; pl. xxii, fig. 13; pl. clxx, figs. 5, 6.
Potomac Formation; Virginia, U.S.A.
- **tenella**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **virginiensis**, Fontaine, 1889, p. 82, pl. viii, figs. 1-7; pl. ix, figs. 1-6; pl. xxiv, fig. 2; pl. clxix, fig. 3.
Potomac Formation; Virginia, U.S.A.
- **Zippei**, Corda in Reuss, 1846, p. 95, pl. xlix, figs. 2, 3. (= *Gleichenia Zippei*, Heer, 1868 = *Mertenisia Zippei*, Engelhardt, 1892 = *Gleichenites Zippei*, Seward, 1910.)
Quader; Bohemia.
- **sp.**, Dawson, 1883, p. 25.
Upper Cretaceous; Vancouver Island, Canada.
- **sp.**, Heer, 1878, p. 29, pl. viii, figs. 17 c, 17 d
Lower Cretaceous; Siberia.

- Pecopteris** sp., Zeiller, 1905, p. 333, pl. vii, figs. 2, 3.
Upper Cretaceous; Balkans.
- sp., Zeiller, 1905, p. 335, pl. vii, figs. 7, 7 a.
Upper Cretaceous; Balkans.
- (**Cladophlebis?**) sp., Zeiller, 1905, p. 335, pl. vii, fig. 4. Ibid.
- Periploca cretacea**, Hollick, 1906 A, p. 105, pl. xl, fig. 16.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Persea Hayana**, Lesquereux, 1892, p. 103, pl. xvi, fig. 6.
Dakota Group; Kansas, U.S.A.
- **Leconteana**, Lesquereux, 1874, p. 75, pl. xxviii, fig. 1. (= *Sassafras?*
Leconteanum, Lesquereux, 1869, and *Quercus Benzoin*, Lesquereux,
1859.) Ibid.
- **nebrascensis**, Lesquereux, 1869, p. 431, pl. xxiii, figs. 9, 10.
(= *Laurus nebrascensis*, Lesquereux, 1868.)
Dakota Group; Nebraska, U.S.A.
- **Schimperi**, Lesquereux, 1892, p. 103, pl. xvi, fig. 5.
Dakota Group; Kansas, U.S.A.
- **Sternbergii**, Lesquereux, 1874, p. 76, pl. vii, fig. 1. (= *Ficus Stern-*
bergii, Lesquereux, 1873.) Ibid.
- **Suessi**, Krasser in Krasser & Kubart, 1906 B, p. 47 [nomen nudum].
Cenomanian; Moletuin, Moravia.
- **valida**, Hollick, 1906 A, p. 76, pl. xxix, figs. 8, 9.
Middle Cretaceous; Long Island, U.S.A.
- Perseophyllum Hauthalianum**, Kurtz, 1902, p. 52.
Equivalent of Dakota Group; Patagonia.
- Persoonia Lesquereuxii**, Knowlton in Lesquereux, 1892, p. 89, pl. xx,
figs. 10-12. Dakota Group; Kansas, U.S.A.
- **spatulata**, Hollick in Newberry, 1895, p. 71, pl. xlii, fig. 14.
? Amboy Clay; U.S.A.
- Petrosphæria japonica**, Stopes & Fujii, 1910, pp. 4-6, pl. i, figs. 1-6.
Upper Cretaceous; Hokkaido, Japan.
- Peuce aquisgranensis**, Endlicher, 1847 B, p. 294. (= *Pinites aquis-*
granensis, Goeppert, 1842 B.) Senonian; Aix, Rhenish Prussia.
- **cretacea**, Endlicher, 1847 B, p. 32. (= *Pinites cretacea*, Corda,
1846.) Greensand; Bohemia.
- Peucedanites antiquissimus**, Saporta, 1890 B, p. 180, text-fig. 35.
Albian (?); Portugal.
- **primordialis**, Saporta, 1894, p. 194, pl. xxxv, fig. 13. Ibid.
- Phacidites communis** (Feistmantel), Meschinelli, 1892, p. 779.
(= *Phacidium commune*, Feistmantel, 1874.)
Perucur Beds; Bohemia.
- Phacidium circumscriptum**, Bayer, 1899, p. 7, text-fig. 3. Ibid.
- **commune**, Feistmantel, 1874, pp. 262, 266. (= *Phacidites*
communis, Meschinelli, 1892.) Ibid.
- **myrtophylli**, Engelhardt, 1892 A, p. 80, pl. ii, fig. 10 a, b.
Quader; Freiberg, Saxony.
- **Palæocassiae**, Ettingshausen, 1867 A, p. 242, pl. i, figs. 8, 8 b.
Cenomanian; Niederschoena, Saxony.

- Phaseolites elegans**, Hollick, 1906 A, p. 85, pl. xxxii, fig. 4.
Middle Cretaceous; Long Island, U.S.A.
- **formus**, Lesquereux, 1892, p. 147, pl. lv, figs. 5, 6, 12.
Dakota Group; Kansas, U.S.A.
- **Manhassetensis**, Hollick, 1905 c, p. 414, pl. lxxviii, figs. 1-2.
Cretaceous; Long Island, U.S.A.
- Phegopteris Grothiana**, Heer, 1883 A, p. 3, pl. xlviii, figs. 12-13.
Patoot Beds; Greenland.
- **Jörgenseni**, Heer, 1882, p. 32, pl. xxxv, figs. 1-3.
Atane Beds; Greenland.
- **Kornerupi**, Heer, 1883 A, p. 3, pl. xlix, fig. 3.
Patoot Beds; Greenland.
- Phillyria Engelhardti**, Velenovsky, 1887, p. 68, pl. xxvii, figs. 2-5.
Cenomanian; Bohemia.
- Phlebomeris? falciformis**, Saporta, 1894, p. 84, pl. xviii, fig. 8 & p. 169, pl. xxx, figs. 2-4.
Valanginian & Albian; Portugal.
- **spectanda**, Saporta, 1894, p. 168, pl. xxix, fig. 14; pl. xxx, fig. 1.
Albian; Portugal.
- **Wilkommi**, Saporta, 1894, p. 168, pl. xxx, fig. 5.
Ibid.
- Phlebopteris dubia**, Richter, 1899 A, p. 40.
Neocomian; Quedlinburg, Saxony.
- Phragmites? Cliffwoodensis**, Berry, 1905 E, p. 99, pl. xlv, fig. 5.
Matawan Formation; New Jersey, U.S.A.
- **cordaiformis**, Dawson, 1883, p. 26, pl. v, fig. 22.
Upper Cretaceous; Vancouver Island, Canada.
- **cretaceus**, Lesquereux, 1874, p. 55, pl. i, figs. 13, 14; pl. xxix, fig. 7. (= *Arundo cretaceus*, Lx., 1868.)
Dakota Group; Kansas, U.S.A.
- **falcata**, Knowlton, 1899 B, p. 658, pl. lxxviii, fig. 5.
Laramie Formation; Yellowstone Park, U.S.A.
- **laramianus**, Cockerell, 1909, p. 141.
Laramie Formation; Colorado, U.S.A.
- **Prattii**, Berry, 1910 A, p. 191. (= *Phragmites* sp., Berry, 1907, p. 190, pl. xi, fig. 5.)
Middle Cretaceous; North Carolina, U.S.A.
- **Rumpfii**, Stur, 1871, p. 503.
Cretaceous; Piber, Austria.
- **sp.**, Berry, 1907, p. 190, pl. xi, fig. 5. (= *Phragmites Prattii*, Berry, 1910 A.)
Middle Cretaceous; N. Carolina, U.S.A.
- Phycodes sericeus**, Debey & Ettingshausen, 1859 A, p. 200.
Senonian; Aix, Rhenish Prussia.
- Phyllites actinoneuron**, Ettingshausen, 1893, p. 151; & 1895, p. 54, pl. iv, fig. 24.
Cretaceous; Australia.
- **acuminatus**, Goepfert, 1847, p. 361 (naming fig. 4, pl. li of Goepfert, 1842 A).
Quadersandstein; Silesia.
- **amissus**, Lesquereux, 1892, p. 217, pl. lxii, fig. 1.
Dakota Group; Kansas, U.S.A.
- **amorphus**, Lesquereux, 1868, p. 102; & 1874, p. 113, pl. xxii, figs. 3-4.
Dakota Group; Nebraska, U.S.A.

- Phyllites angustus**, Crié, 1877, p. 232 [nomen nudum].
Cretaceous; Mans, France.
- (**Comptonia?**) **antiqua**, Nilsson, 1832, p. 346, pl. i, fig. 8.
Greensand; Sweden.
- **aristolochiæformis**, Lesquereux, 1892, p. 217, pl. lix, fig. 8.
Dakota Group; Kansas, U.S.A.
- **betulæfolius**, Lesquereux, 1869, p. 430, pl. xxiii, fig. 4.
Dakota Group; Nebraska, U.S.A.
- **bipartitus**, Velenovsky, 1887, p. 73, pl. xxix, fig. 4.
Cenomanian; Vyserovic, Bohemia.
- **celastroides**, Heer, 1871 A, p. 14, pl. iii, fig. 12.
Senonian; Quedlinburg, Saxony.
- **celatus**, Lesquereux, 1892, p. 215, pl. lxi, fig. 1.
Dakota Group; Kansas, U.S.A.
- **cenomanensis**, Crié, 1877, p. 232 [nomen nudum].
Cenomanian; Ste. Croix, France.
- **cliffwoodensis**, Berry, 1905 A, p. 47, pl. ii, fig. 8.
Cretaceous; Cliffwood, U.S.A.
- **coriaceus**, Newberry in Ives, 1861, p. 132, pl. iii, figs. 7, 7 a.
Lower Cretaceous(?); Arizona, U.S.A.
- **cotinus**, Lesquereux, 1876 B, p. 364.
Dakota Group; Nebraska, U.S.A.
- (**Acer?**) **cretaceum**, Nilsson, 1832, p. 345, pl. i, figs. 1, 2.
Greensand; Sweden.
- **curvinervis**, Hosius, 1870 A, p. 101, pl. xvi, fig. 30. (= *Viburnum subrepandum*, Hosius & v. d. Marck, 1880.)
Senonian; Legden, Westphalia.
- **denticulatus**, Knowlton in Stanton & Hatcher, 1905, p. 148, pl. xix, fig. 2.
Judith River Beds; Montana, U.S.A.
- **durescens**, Lesquereux, 1892, p. 218, pl. lxi, fig. 5; pl. lxii, figs. 3, 4.
Dakota Group; Kansas, U.S.A.
- **Ehrlichii**, Unger, 1850 A, p. 503; & 1867, p. 651, pl. ii, figs. 9, 10. |
Upper Cretaceous; Austria.
- **ellipticus**, Newberry, 1895, p. 130, pl. xxiv, fig. 9. (Re-named by Berry, 1909, *Diospyros amboyensis*.)
Amboy Clay; Woodbridge, U.S.A.
- **emarginatus**, Goeppert, 1847, p. 361, pl. xxxvii, fig. 11.
Quadersandstein; Silesia.
- **enervis**, Goeppert, 1847, p. 361, pl. xxxvii, figs. 8, 9 a. Ibid.
- **erosus**, Lesquereux, 1892, p. 216, pl. lxi, fig. 4.
Dakota Group; Kansas, U.S.A.
- (**Alnus**) **Friesii**, Nilsson, 1832, p. 346, pl. i, fig. 7.
Greensand; Sweden.
- **Geinitzensis**, Goeppert, 1865 c, p. 12. (= *Debeya serrata*, Miquel.)
- **Geinitzianus**, Goeppert, 1847, p. 361, pl. xxxvii, figs. 5-7.
Quadersandstein; Silesia.
- **grönlandicus**, Engelhardt in Vanhöffen, 1897, pp. 363, 372, text-fig. 30.
Kome Beds; Greenland.

- Phyllites ilicifolius**, Lesquereux, 1892, p. 213, pl. x, fig. 9.
Dakota Group; Kansas, U.S.A.
- **incurvatus**, Heer, 1882, p. 105, pl. xxvii, fig. 13.
Atane Beds; Greenland.
- **indeterminatus**, Sternberg, 1825, p. 40, pl. xliii, fig. 1.
Greensand; Sweden.
- **inflexinervis**, Saporta, 1894, p. 204, pl. xxxvi, fig. 12 b.
Upper Albian; Portugal.
- **innectens**, Lesquereux, 1892, p. 219, pl. lxx, fig. 6.
Dakota Group; Kansas, U.S.A.
- **intricata**, Knowlton in Stanton & Hatcher, 1905, p. 148, pl. xviii, fig. 6.
Judith River Beds; Montana, U.S.A.
- **lacerus**, Saporta, 1894, pl. xxxv, fig. 11.
Albian (?); Portugal.
- **Laccoei**, Lesquereux, 1892, p. 213, pl. xlv, fig. 6.
Dakota Group; Kansas, U.S.A.
- **lævigatus**, Heer (*non* Miquel), 1874 A, p. 120, pl. xxxiv, fig. 16.
Atane Beds; Greenland.
- **lævigatus**, Miquel (*non* Heer), 1853, p. 41, pl. i, fig. 2.
Senonian; Limburg.
- **latifolius**, Berry, 1910 c, p. 194. (= *Nageiopsis latifolia*, Fontaine, 1889.)
Patuxent Formation; Virginia, U.S.A.
- **laurencianus**, Lesquereux, 1892, p. 215, pl. xlv, fig. 5.
Dakota Group; Kansas, U.S.A.
- **laurinoides**, Hosius, 1870 A, p. 101, pl. xvi, fig. 31. (= *Lilsæa laurinoides*, Hosius & v. d. Marck, 1880.)
Senonian; Legden, Westphalia.
- **linguæformis**, Heer, 1874 A, p. 120, pl. xxxiv, fig. 15.
Atane Beds; Greenland.
- **longepetiolatus**, Heer, 1882, p. 105, pl. xv, fig. 8.
Ibid.
- **monocotyleus**, Miquel, 1853, p. 53, pl. i, fig. 3.
Cretaceous; Belgium.
- **multinervis**, Hosius, 1870 A, p. 101, pl. xvii, fig. 34.
Senonian; Legden, Westphalia.
- **nervulosus**, Sternberg, 1825, p. 39, pl. xlii, fig. 2.
Greensand; Hör, Sweden.
- **obcordatus**, Heer in Meek & Hayden, 1859, p. 266. (= *Liriodendron Meekii obcordata*, Heer, 1882.)
Dakota Group; Nebraska, U.S.A.
- **obscura** [us], Hollick in Newberry, 1895, p. 131, pl. xlii, fig. 33.
Amboy Clay; New Jersey, U.S.A.
- **obtusilobatus**, Heer in Meek & Hayden, 1859, p. 266. (= *Liquidambar obtusilobatus*, Hollick in Newberry, 1898.)
Dakota Group; Nebraska, U.S.A.
- **orbicularis**, Newberry, 1895, p. 130, pl. xxiv, figs. 7, 8. (= *Populus orbicularis*, Berry, 1909.)
Amboy Clay; Sayreville, U.S.A.
- **pachyphyllus**, Fontaine, 1889, p. 325, pl. cxlix, fig. 2.
Potomac Formation; Virginia, U.S.A.

- Phyllites pelagicus**, Unger, 1850, p. 503; & 1867, p. 653, pl. ii, fig. 13.
Upper Cretaceous; Austria.
- **perplexus**, Lesquereux, 1892, p. 215, pl. xxxviii, fig. 15.
Dakota Group; Kansas, U.S.A.
- **platanoides**, Bozzi, 1891, p. 379, pl. xxi, fig. 8.
Senonian (?); Vernasso, Italy.
- **poinsettiioides**, Hollick, 1893, p. 37, pl. i, fig. 10.
Raritan Formation; New York, U.S.A.
- **problematicus**, Saporta, 1894, p. 97, pl. xvi, fig. 10.
Valanginian; Portugal.
- **proteaceus**, Bozzi, 1891, p. 379, pl. xvi, figs. 6-7.
Senonian (?); Vernasso, Italy.
- **proteoides**, Unger, 1867, p. 652, pl. ii, fig. 11.
Upper Cretaceous; Austria.
- **quinquenervis**, Hosius, 1870, p. 101, pl. xvii, fig. 33.
Senonian; Legden, Westphalia.
- **ramosinervis**, Heer, 1871 A, p. 15, pl. iii, figs. 13, 14.
Senonian; Quedlinburg, Saxony.
- **repandus**, Sternberg (*non* Engelhardt), 1822, p. 29, pl. xxv, fig. 1.
Quadersandstein; Germany.
- **Reussi**, Unger, 1867, p. 653, pl. ii, fig. 12.
Upper Cretaceous; Austria.
- **rhoifolius**, Lesquereux, 1868, p. 101; & 1874, p. 111, pl. xxii, figs. 5, 6.
Dakota Group; Nebraska, U.S.A.
- **rhomboideus**, Lesquereux, 1874, p. 112, pl. vi, fig. 8. (= *Ficus rhomboidea*, Lesquereux, 1868.)
Ibid.
- **sinuatus**, Lange, 1890, p. 671, pl. xxxiv, fig. 9.
Senonian; Spitalgarten, Prussia.
- **Snowii**, Lesquereux, 1892, p. 214, pl. xxxviii, fig. 2.
Dakota Group; Kansas, U.S.A.
- **stipulæformis**, Lesquereux, 1892, p. 216, pl. lxi, fig. 2.
Ibid.
- **Sturi**, Unger, 1865, p. 378, pl. i, figs. 10-11.
Cretaceous (?); Deva, Transylvania.
- **tesselatus**, Sternberg, 1825, pl. xlii, fig. 4 (described as from Cretaceous; removed from Cretaceous by Debey & Ettingshausen, 1859 B, p. 245).
- **testaceus**, Goeppert, 1847, p. 361 (naming figs. 9 & 10, pl. liii of Goeppert, 1842 A).
Quadersandstein; Silesia.
- **Thierensi**, Bosquet MS. in Debey, 1851, p. 569 [nomen nudum]. (= *Delesserites Thierensi*, Miquel, 1853.)
Danian; Maestricht.
- **triloba**, Knowlton, 1900 A, p. 74, pl. xviii, fig. 2.
Montana Formation; Wyoming, U.S.A.
- **triplinervis**, Hosius (*non* Saporta), 1870 A, p. 101, pl. xvi, fig. 32.
Senonian; Legden, Westphalia.
- **triplinervis**, Saporta (*non* Hosius), 1894, p. 209, pl. xxxvi, fig. 7 a.
Upper Albian; Portugal.
- **umbonatus**, Lesquereux, 1868, p. 102; & 1874, p. 113, pl. xix, fig. 4.
Dakota Group; Nebraska, U.S.A.

- Phyllites undulatus**, Newberry, 1895, p. 131, pl. xxiv, fig. 10.
Amboy Clay; Woodbridge, U.S.A.
- **Vanonæ**, Heer in Capellini & Heer, 1867, p. 22, pl. i, fig. 8.
Dakota Group; Nebraska, U.S.A.
- **venosissimus**, Newberry in Ives, 1861, p. 131, pl. iii, fig. 6.
Base of Cretaceous (?); Arizona, U.S.A.
- (**Salix?**) **Wahlbergii**, Nilsson, 1832, p. 345, pl. i, figs. 3-6.
Greensand; Sweden.
- **Winkleri**, Debey, 1848, p. 124 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **zamiaeformis**, Lesquereux, 1892, p. 38, pl. ii, fig. 7.
Dakota Group; Kansas, U.S.A.
- **sp.**, Corda in Reuss, 1846, p. 140, pl. l, figs. 4-10; pl. li, figs. 1-8.
Lower Quader; Bohemia.
- **sp.**, Dawson, 1887, p. 32, pl. ii, fig. 20.
Laramie Formation; Canada.
- **sp.**, Knowlton, 1899 B, pl. lxxviii, fig. 7 (not in text).
Yellowstone Park, U.S.A.
- **sp.**, Knowlton, 1900 A, p. 75, pl. ix, fig. 4.
Montana Formation; Wyoming, U.S.A.
- **sp.**, Knowlton, 1900 A, p. 75, pl. xix, fig. 5. Ibid.
- **sp.**, Lange, 1890, p. 672, pl. xxxiv, fig. 10.
Senonian; Aix, Rhenish Prussia.
- **sp.**, Lesquereux, 1892, p. 216, pl. lix, fig. 7.
Dakota Group; Kansas, U.S.A.
- Phyllocladites crenatus**, Schulze, 1888, p. 21 [nomen nudum].
Senonian; Quedlinburg, Saxony.
- **rotundifolius**, Heer, 1874 A, p. 124, pl. xxxv, figs. 17-21.
Cretaceous; Spitzbergen.
- Phyllocladopsis heterophylla**, Fontaine, 1889, p. 204, pl. lxxxiv, fig. 5; pl. clxvii, fig. 4. Potomac Formation; Virginia, U.S.A.
- Phyllocladus laciniosa**, Schulze, 1888, p. 26 [nomen nudum].
Upper Cretaceous; Heimburg, Germany.
- **subintegrifolius**, Lesquereux, 1868, p. 92; & 1874, p. 54, pl. i, fig. 12. (Re-named *Thinnfeldia subintegrifolia* (Lx.), Knowlton, 1898.)
Dakota Group; Nebraska, U.S.A.
- Phyllocladoxylon antarcticum**, Gothan, 1908 A, p. 4, pl. i, figs. 4-8.
Cretaceous (?); Antarctica.
- Phyllotæmia costulata**, Saporta, 1894, p. 221, pl. xxxix, fig. 20.
Cenomanian (?); Portugal.
- **demersa**, Saporta, 1894, p. 216, pl. xxxviii, fig. 6. Ibid.
- **elongata**, Saporta, 1894, p. 216, pl. xxxix, fig. 21. Ibid.
- **nervosa**, Saporta, 1894, p. 216, pl. xxxviii, figs. 7-8. Ibid.
- **stipulacea**, Saporta, 1894, p. 217, pl. xxxviii, figs. 12-13. Ibid.
- Phymatoderma Lemerianum**, Brongniart, 1849 A, p. 10.
Gault; France.
- Picea albertensis**, Penhallow, 1908, p. 82.
Judith River Series; Alberta, Canada.

- Picea cliffwoodensis**, Berry, 1906 B, p. 169; & 1906 E, p. 143, pl. xix.
Magothy Formation; New Jersey, U.S.A.
- **cretacea**, Velenovsky, 1889, p. 14, pl. i, figs. 4, 5.
Cenomanian; Vyserovic, Bohemia.
- Piceites exogyrus**, Goeppert. See Hildebrand, 1861, p. 251.
Middle Cretaceous; Bohemia.
- Pinites aquisgranensis**, Goeppert, 1842 B, p. 151, pl. liv, figs. 1-5,
10-12. (= *Cycadopsis aquisgranensis*, Debey, 1848 B.)
Senonian; Aix, Rhenish Prussia.
- **Andræi** (Coemans), Gardner, 1886 B, p. 3, pl. x, fig. 1. (= *Pinus*
Andræi, Coemans, 1867.) Gault; Folkestone.
- **Benstedii**, Endlicher, 1847 A, p. 19. (= *Abies Benstedii*, Mantell,
1846.) Lower Greensand; Maidstone.
- **cretacea**, Corda in Reuss, 1846, p. 91, pl. xlvii, figs. 1-6. (= *Peuce*
cretacea, Endlicher, 1847 B.) Pläuer; Bohemia.
- **cretaceus**, Dunker (*non* Corda), Goeppert, 1856, p. 182, pl. xxxv,
fig. 2. Quadersandstein; Blankenburg, Saxony.
- **cyclopterus**, Saporta, 1894, p. 178, pl. xxviii, fig. 20.
Lower Albian; Portugal.
- **cylindroides**, Gardner, 1886 B, p. 245, & plate, figs. 2, 2 a.
Lower Greensand; Pottton.
- **exogyra** (Corda), Geinitz, 1850 A, p. 272. (= *Pinus exogyra*, Corda
in Reuss, 1846.) Quadersandstein; Bohemia.
- **gracilis**, Carruthers, 1869, p. 2, pl. i, fig. 9. Gault; Folkestone.
- **hexagonus**, Carruthers, 1871, p. 540, pl. xv. Ibid.
- **Leckenbyi**, Carruthers, 1869, p. 2, pl. i, figs. 1-5.
Lower Greensand; Isle of Wight.
- **Leei**, Fontaine in Ward, 1905, p. 570, pl. cxix, figs. 6, 7.
Older Potomac Formation; Maryland, U.S.A.
- **lepidodendroides**, Roemer, 1870, p. 290, pl. xxvii, fig. 7;
pl. xxviii, fig. 3. Perucer Beds; Silesia.
- **Mantellii**, Carruthers, 1866 B, p. 543, pl. xxi, fig. 3.
Greensand; Maidstone.
- **oblongus**, Williamson, 1887, p. 193, pl. ix. (= *Abies oblonga*,
Lindley & Hutton, 1834.) Greensand; Dorset.
- **patens**, Miquel (*non* Carruthers), 1853, p. 41, pl. ii.
Senonian; Limburg.
- **patens**, Carruthers (*non* Miquel), 1866 B, p. 543, pl. xxi, fig. 4.
Greensand; Maidstone.
- **pottoniensis**, Gardner, 1886 B, p. 245, fig. 3.
Lower Greensand; Pottton.
- **Pricei**, Carruthers, 1875, p. 280, text-fig. Gault; Folkestone.
- ? **Quenstedti**, Feistmantel, 1874, p. 272. Perucer Beds; Bohemia.
- **Reussii**, Endlicher, 1847 B, p. 287. (= *Pinus Reussii*, Corda, 1846.)
Cretaceous; Bohemia.
- **sussexiensis**, Carruthers, 1866 B, p. 541. (= *Zamia sussexiensis*,
Mantell.) Lower Greensand; Sussex.
- **undulatus**, Eichwald, 1853, p. 231. Lower Cretaceous; Russia.

- Pinites** sp., Roemer, 1870, p. 301, pl. xxx, fig. 2.
Turonian; Upper Silesia.
- Pinostrobus prolongatus**, Feistmantel, 1874, p. 272.
Perucer Beds; Bohemia.
- **vallidus**, Feistmantel, 1874, p. 272. Ibid.
- Pinus Andræi**, Coemans, 1867, p. 12, pl. iv, fig. 4; pl. v, fig. 1.
(= *Pinites Andræi* (Coemans), Gardner, 1886 n.)
Cretaceous; La Louvière, Belgium.
- **anthraciticus**, Dawson, 1893, p. 89, text-fig. 10.
Kootanie Formation; North-West Territory, Canada.
- **Argonnensis**, Fliche, 1896, p. 217, pl. ix, fig. 3. [Cones.]
Albian; Clermont, France.
- **aspera**, Cornuel, 1866, p. 671, pl. xii, figs. 6–12.
Neocomian; France.
- **Briarti**, Coemans, 1867, p. 10, pl. iv, fig. 2.
Cretaceous; La Louvière, Belgium.
- (**Cedrus**) **Corneti**?, Coemans, 1867, p. 11, pl. iv, fig. 3. Ibid.
- **Cramerii**, Heer, 1868, p. 84, pl. xlv, figs. 7–18.
Kome Beds; Greenland.
- **delicatulus**, Berry, 1904 A, p. 68, pl. i, fig. 12.
Matawan Formation; New Jersey, U.S.A.
- **depressa**, Coemans, 1867, p. 15, pl. v, fig. 4.
Cretaceous; La Louvière, Belgium.
- **Eirikiana**, Heer, 1874 A, p. 85, pl. ii, fig. 1; pl. xvii, figs. 6, 7;
pl. xviii, fig. 2 b; pl. xxiii, fig. 16. Kome Beds; Greenland.
- **elongata**, d'Orbigny, 1852, p. 617; & Cornuel, 1882, p. 260, pl. vii,
fig. 1. Aptian; Saint-Dizier.
- **exogyra**, Corda in Reuss, 1846, p. 91, pl. xlviii, figs. 16–18.
(= *Pinites exogyra*, Geinitz, 1850 A.) Greensand; Bohemia.
- **familiaris**, Brongniart, 1828 A, p. 107. (= *Conites familiaris*,
Sternberg, 1825.)
- **gibbosa**, Coemans, 1867, p. 13, pl. v, fig. 2.
Cretaceous; La Louvière, Belgium.
- **gracilis**, Cornuel, 1866, p. 671, pl. xii, figs. 4, 5.
Neocomian; France.
- **Guill(i)eri**, Crié, 1884, p. 512. Cretaceous; France.
- **Heeri**, Coemans, 1867, p. 14, pl. v, fig. 3.
Cretaceous; La Louvière, Belgium.
- **lingulata**, Heer, 1874 A, p. 84, pl. xii, fig. 10 d; pl. xxxii, fig. 18.
Kome Beds; Greenland.
- **longissima**, Velenovsky, 1885, p. 29, pl. i, figs. 14–17.
Perucer Beds; Bohemia.
- **macrostrobilina**, Menzel, 1908, p. 27, pl. ii, figs. 1, 1 a, 1 b.
Quadersandstein; Bohemia.
- **mammilifer**, Saporta, 1880, p. 654, pl. iv, fig. 2.
Aptian; Cauville, France.
- **mattewanensis**, Berry, 1903 c, p. 680, text-fig. 4 on p. 678.
Matawan Formation; New Jersey, U.S.A.

- Pinus monasteriensis***, Hosius & von der Marck, 1880, p. 141, pl. xxvi, fig. 19. Upper Senonian; Westphalia.
- ***Nathorsti***, Conwentz, 1892, p. 13, pl. i, fig. 1; pl. ii, figs. 1-5; pl. iii, figs. 1-3; pl. vi, figs. 1-10; pl. vii, figs. 1-4. Senonian; Sweden.
- ***Nordenskiöldi***, Heer, 1876 c, p. 45, pl. ix, figs. 1-6. (Recorded Canadian Kootanie, Dawson, 1893.) Jurassic; Spitzbergen.
- ***Olafiana***, Heer, 1874 A, p. 85, pl. xx, fig. 10 b; pl. xxiii, figs. 19, 19 b. Kome Beds; Greenland.
- ***Omalii***, Coemans, 1867, p. 10, pl. iv, fig. 1. (= *Abies Omalii*, Schimper, 1872.) Cretaceous; La Louvière, Belgium.
- ***oxyptera***, Saporta, 1890, p. 4, pl. xiii, fig. 7. Danian (?); France.
- ***Parsyi***, Saporta, 1880, p. 655, pl. iv, fig. 3. Albian; Bléville, France.
- ***Peterseni***, Heer, 1868, p. 84, pl. xlv, fig. 19. Kome Beds; Greenland.
- ***Præhalepensis***, Fliche, 1896, p. 225, pl. x, fig. 2. Albian; Thibaudette, France.
- ***Præmonticola***, Fliche, 1896, p. 220, pl. ix, fig. 4. Albian; Clermont, France.
- ***protopicea***, Velenovsky, 1885, p. 31, pl. vii, figs. 1, 2, 4, 6; pl. iii, fig. 4. Cenomanian; Vyserovic, Bohemia.
- ***Quenstedti***, Heer, 1869 A, p. 13, pl. ii, figs. 5-9; pl. iii. Cenomanian; Moletain, Moravia.
- ***quinquefolia***, Hollick & Jeffrey, 1909, p. 16, pl. xxii, fig. 2. Raritan Formation; Staten Island, U.S.A.
- ***raritanensis***, Berry, 1909, p. 247 (naming *Pinus* sp., Newberry). Raritan Formation; New Jersey, U.S.A.
- ***Reussii***, Corda in Reuss, 1846, p. 90, pl. xlvi, figs. 22-25. (= *Pinites Reussi*, Endlicher.) Greensand; Bohemia.
- ***rhombifera***, Cornuel, 1866, p. 670, pl. xii, fig. 19. Neocomian; France.
- ***Saportana***, Fliche, 1896, p. 232, pl. x, figs. 5, 6, text-fig. 9. Albian; Islettes, France.
- ***schista***, Ward, 1905, p. 531, pl. cxii, figs. 13-15. Older Potomac Formation; Maryland, U.S.A.
- ***shastensis***, Ward, 1905, p. 262, pl. lxix, figs. 1-3. Shasta Formation; California, U.S.A.
- ***Staratschini***, Heer, 1874 A, pp. 104, 129, pl. xxviii, fig. 15; pl. xxxiv, fig. 1 c; pl. xxxviii, figs. 6-7. Atane Beds; Greenland.
- ***submarginata***, Cornuel, 1866, p. 669, pl. xii, figs. 13-18 & 20, 21. Neocomian; France.
- ***sulcata***, Velenovsky (*non* Eudes-Deslongchamps), 1885, p. 30, pl. vii, figs. 5, 11. Pläner; Bohemia.
- ***susquaensis***, Dawson, 1883, p. 23, pl. iii, fig. 36. Cretaceous; North-West Territory, Canada.
- ***tetraphylla***, Jeffrey, 1908, p. 214, pl. xiv, fig. 17. Raritan Formation; Staten Island, U.S.A.

- Pinus (Ptero-Cembra) Toillezi**, Coemans, 1867, p. 16, pl. v, fig. 5.
Cretaceous; La Louvière, Belgium.
- **triphylla**, Hollick & Jeffrey, 1909, p. 14, pl. iii, figs. 6, 7 (?);
pl. xxii, fig. 1. Raritan Formation; Staten Island, U.S.A.
- **ucranicus**, Goeppert, 1865 c, p. 12 [nomen nudum].
Danian; Maestricht.
- **umbonatus**, Lesquereux, 1868, p. 102.
Cretaceous; Nebraska, U.S.A.
- (**Abies**) **Upervnikensis**, Heer, 1882, p. 56, pl. ix, figs. 5-7.
Atane Beds; Greenland.
- **vaginalis**, Heer, 1874 A, p. 103, pl. xxvii, fig. 15 b. Ibid.
- **vernonensis**, Ward, 1905, p. 497, pl. cix, figs. 4-6.
Older Potomac Formation; Virginia, U.S.A.
- **Wohlgemuthi**, Fliche, 1896, p. 223, pl. x, fig. 1.
Albian; Clermont, France.
- **yezoensis**, Stopes & Kershaw, 1910, p. 399, pl. xxvii, figs. 3-5;
pl. xxviii, fig. 2. Upper Cretaceous; Hokkaido, Japan.
- **sp.**, Cornuel, 1866, p. 673, pl. xii, figs. 2-3. Neocomian; France.
- **sp.**, Engelhardt, 1892, p. 105, pl. ii, fig. 16.
Cenomanian; Niederschoena, Saxony.
- ? **sp.**, Fontaine, 1889, p. 272, pl. clxx, fig. 4.
Lower Cretaceous; Maryland, U.S.A.
- **sp.**, Heer, 1874 A, p. 129, pl. xxxvii, fig. 5. Cretaceous; Spitzbergen.
- **sp.**, Hollick, 1893, p. 31, pl. i, figs. 13, 19, 20, 22.
Middle Cretaceous; Staten Island, U.S.A.
- **sp.**, Hollick & Jeffrey, 1909, p. 16, pl. ix, figs. 11, 12; pl. xxiii,
fig. 6. Ibid.
- **sp.?**, Hollick & Jeffrey, 1909, p. 17, pl. iii, fig. 8; pl. xxii, fig. 5.
Ibid.
- **sp.?**, Newberry, 1895, p. 47, pl. ix, figs. 5-8, 17, 18.
Amboy Clay; New Jersey, U.S.A.
- Pisonia atavia**, Velenovsky, 1887, p. 67, pl. xxxi, figs. 13, 14.
Cenomanian; Bohemia.
- **cretacea**, Berry, 1910 A, p. 191.
Middle Cretaceous; North Carolina, U.S.A.
- Pistacia Aquehongensis**, Hollick, 1898 B, p. 421, pl. xxxvi, fig. 5.
Cretaceous; Staten Island, U.S.A.
- **oblanceolata** (Lesquereux), Knowlton, 1898, p. 167 (re-naming
Ficus oblanceolata, Lesquereux, 1873).
Laramie Formation; Wyoming, U.S.A.
- Pistia corrugata**, Lesquereux, 1876 c, p. 299; & 1878 B, p. 103, pl. lxi,
figs. 1, 3-6, 11. Montana Formation; Wyoming, U.S.A.
- **Mazeli**, Saporta & Marion, 1885, p. 37, text-fig. 114, C. D.
Senonian; France.
- **Nordenskiöldi** (Heer), Berry, 1910 A, p. 189 (re-naming *Chondro-
phyllum Nordenskiöldi*, Heer). Atane Beds; Greenland.
- Pistites loriformis**, Hosius & von der Marck, 1880, p. 182, pl. xxxviii,
figs. 151, 152. Lower Senonian; Westphalia.

- Pitcarnia primæva**, Hosius & von der Marck, 1880, p. 217, pl. xlv, figs. 210, 211. Neocomian; Westphalia.
- Pityoidolepis statenensis**, Hollick & Jeffrey, 1909, p. 53, pl. ix, figs. 13, 14; pl. xxvii, figs. 1-3. Raritan Formation; Staten Island, U.S.A.
- Pityoxylon Argonnense**, Fliche, 1896, p. 253. Albion; France.
- **Hollicki**, Knowlton in Hollick, 1898, p. 134, text-figs. 1, 2. Upper Cretaceous; New Jersey, U.S.A.
- **infracretaceum**, Fliche, 1896, p. 251, pl. xii, fig. 1; pl. xvi, figs. 1, 2. Albion; Clermont, France.
- **piceoides (cretaceum)**, Vater, 1884, p. 821. Lower Senonian (?); Brunswick.
- **scituatense**, Jeffrey & Chrysler, 1906, p. 11, pl. ii, figs. 8-12. Cretaceous (?); Massachusetts, U.S.A.
- **statenense**, Jeffrey & Chrysler, 1906, p. 8, pl. i; pl. ii, fig. 7. Middle Cretaceous; Staten Island, U.S.A.
- **Thomasi**, Fliche, 1896, p. 254, pl. xvi, fig. 3. Albion; Triancourt, France.
- Pitys familiaris**, Unger, 1845, p. 197. (= *Conites familiaris*, Sternberg, 1825.)
- Planera antiqua**, Heer, 1883, p. 26, pl. lv, figs. 11-12. Patoot Beds; Greenland.
- **antiqua**, Newberry, 1895, p. 69, pl. xlii, figs. 1-4. (Name pre-occupied, = *P. Knowltoniana*, Hollick.) Amboy Clay; New Jersey, U.S.A.
- **betuloides**, Hollick, 1906, p. 57, pl. viii, fig. 22. Middle Cretaceous; Martha's Vineyard, U.S.A.
- **cretacea**, Berry, 1907, p. 193, pl. xi, figs. 7, 8. Middle Cretaceous; North Carolina, U.S.A.
- **Knowltoniana**, Hollick in Newberry, 1895, p. 69, pl. xlii, figs. 1-4. Amboy Clay; New Jersey, U.S.A.
- Plantaginopsis marylandica**, Fontaine in Ward, 1905, p. 561, pl. cxvii, fig. 7; pl. cxviii, figs. 1, 2. Older Potomac Formation; Maryland, U.S.A.
- Platæanthus (Williamsonia) problematicus**, Newberry, 1895, p. 125, pl. xxxv, figs. 1-9. Amboy Clay; New Jersey, U.S.A.
- Plataninium subaffine**, Vater, 1884, p. 843, pl. xxix, figs. 19-21. Lower Senonian (?); Brunswick.
- Platanophyllum crassinerve**, Fontaine, 1889, p. 316, pl. clviii, fig. 5. Potomac Formation; Virginia, U.S.A.
- Platanus aceroides? latior** (Goeppert), Lesquereux, 1868, p. 97. (= *P. latior*, Knowlton, 1898.) Dakota Group; Nebraska, U.S.A.
- **acute-triloba**, Krasser, 1889, p. 34; & 1896, p. 142, pl. xiii, fig. 2. Cenomanian; Kunstadt, Moravia.
- **affinis**, Lesquereux, 1874, p. 71, pl. iv, fig. 4. (= *Populites affinis*, Lx., 1873, & *Cissites affinis*, Lx., 1876.) Dakota Group; Kansas, U.S.A.

- Platanus affinis ampla**, Dawson, 1836, p. 12. (Re-named *Cissites affinis ampla* (Dn.), Knowlton.) Mill Creek Series; Mill Creek, Canada.
- **Aquehongensis**, Hollick, 1893, p. 32, pl. iv.
Raritan Formation (?); Staten Island, U.S.A.
- **araliæformis**, Krasser, 1896, p. 144, pl. xii, fig. 6.
Cenomanian; Kunstadt, Moravia.
- **betulæfolia**, Krasser, 1889, p. 34; & 1896, p. 143, pl. xiv, fig. 4.
Ibid.
- **cissoides**, Lesquereux, 1892, p. 75, pl. lxi, fig. 3.
Dakota Group; Kansas, U.S.A.
- **cuneiformis**, Krasser, 1896, p. 141, pl. xii, fig. 5; pl. xiv, fig. 3.
Cenomanian; Kunstadt, Moravia.
- **diminutiva**, Lesquereux, 1868, p. 98 (—us); & 1874, p. 73, pl. viii, fig. 5.
Dakota Group; Nebraska (?), U.S.A.
- **Heerii**, Lesquereux, 1872, p. 303; & 1874, p. 70, pl. viii, fig. 4; pl. ix, figs. 1, 2.
Dakota Group; Kansas, U.S.A.
- **irregularis**, Krasser, 1896, p. 143, pl. xvi, fig. 2.
Cenomanian; Kunstadt, Moravia.
- **Kuemmellii**, Berry, 1906 B, p. 176; & 1906 E, p. 146, pl. xxiii, figs. 2, 3; pl. xxiv.
Magothy Formation; New Jersey, U.S.A.
- **lævis**, Velenovsky, 1889, p. 16, pl. i, figs. 1, 2. (= *Credneria lævis*, Vel., 1882 A.)
Cenomanian; Bohemia.
- **latiloba**, Newberry, 1870, p. 23; 1878, pl. ii, fig. 4; & 1898, p. 105, pl. i, fig. 4.
Dakota Group; Nebraska, U.S.A.
- **laticus** (Lesquereux), Knowlton, 1898, p. 170 (re-naming *Platanus primæva*, Lx., 1874, & *P. aceroides* (?), Goepp., var. *laticus*, Lx., 1868.)
Dakota Group; Kansas, U.S.A.
- **moravica**, Krasser, 1896, p. 140, pl. xiii, fig. 3; pl. xv, fig. 3.
Cenomanian; Kunstadt, Moravia.
- ? **Newberryana**, Heer in Capellini & Heer, 1867, p. 16, pl. i, fig. 4.
Dakota Group; Nebraska, U.S.A.
- **obtusiloba**, Lesquereux, 1868, p. 97; & 1874, p. 69, pl. vii, figs. 3, 4.
Ibid.
- **onomastus**, Bayer, 1896, p. 22, text-figs. 17, 18, & p. 35.
Cenomanian; Kieslingsswalda, Bohemia.
- **platanoides** (Lesquereux), Knowlton, 1898, p. 171 (re-naming *Viburnum platanoides*, Lesquereux, 1878 B).
Laramie Formation; Wyoming, U.S.A.
- **primæva**, Lesquereux, 1868, p. 97; & 1874, p. 69, pl. vii, fig. 2; pl. xxvi, fig. 2. (Re-named *P. laticus* by Knowlton, 1898.)
Dakota Group; Kansas, U.S.A.
- **primæva grandidentata**, Lesquereux, 1892, p. 73, pl. ix, figs. 1, 2. (Re-named *P. laticus grandidentata* by Knowlton, 1898.) Ibid.
- **primæva integrifolia**, Lesquereux, 1892, p. 74, pl. xlix, fig. 4. (Re-named *P. laticus integrifolia* by Knowlton, 1898.) Ibid.
- **primæva subintegrifolia**, Lesquereux, 1892, p. 73, pl. ix, figs. 3, 4. (Re-named *P. laticus subintegrifolia* by Knowlton, 1898.) Ibid.

- Platanus pseudo-Guillelmæ**, Krasser, 1896, p. 139, pl. xiv, figs. 1, 2.
Cenomanian; Kunstadt, Moravia.
- **Raynoldsii integrifolia**, Lesquereux, 1878 B, p. 185, pl. xxvi, figs. 4, 5.
Laramie Formation; Wyoming, U.S.A.
- **recurvata**, Lesquereux, 1874, p. 71, pl. x, figs. 3-5. (= *Sassafras (Araliopsis) recurvatum*, Lesquereux, 1873.)
Dakota Group; Kansas, U.S.A.
- **rhomboidea**, Velenovsky, 1889, p. 17, pl. ii, fig. 10; pl. vi, figs. 2, 3. (= *Credneria rhomboidea*, Vel., 1882.)
Cenomanian; Bohemia.
- **Velenovskiana**, Krasser, 1896, p. 138, pl. xv, fig. 2.
Cenomanian; Kunstadt, Moravia.
- **vyserovicensis**, Marik, 1901, p. 10, pl. ii, figs. 4, 5.
Cenomanian; Bohemia.
- ? **Wardii**, Knowlton, 1900 A, p. 14, pl. ii, figs. 1-4.
Montana Formation; Missouri R., U.S.A.
- **sp.**, Heer, 1883 A, p. 258, pl. liv, fig. 1 d. Patoot Beds; Greenland.
- **sp.**, Hollick, 1906 A, p. 83, pl. xxxi, fig. 5.
Cretaceous; Staten Island, U.S.A.
- Platyteriphyllum cretaceum**, Velenovsky, 1889, p. 29, pl. v, fig. 16.
(= *Platyterium cretaceum*, Vel. = *Hausmannia cretacea* (Velenovsky), Richter, 1906.)
Cenomanian; Vyserovic, Bohemia.
- Platyterium cretaceum**, Velenovsky, 1889, p. 5, pl. v, fig. 16.
(= *Dipteriphyllum cretaceum* (Velenovsky), Krasser.) Ibid.
- Platypterigium densinerve**, Fontaine, 1889, p. 169, pl. xxx, fig. 8; pl. xxxi, figs. 1, 4; pl. xxxii, figs. 1, 2; pl. xxxiii, fig. 1; pl. xxxiv, fig. 1; pl. xxxv, figs. 1, 2. (Re-named *Nilssonia densinerve* by Berry, 1910 D.)
Potomac Formation; Virginia, U.S.A.
- **Rogersianum**, Fontaine, 1889, p. 171, pl. xxxi, fig. 2; pl. xxxiii, fig. 2; pl. xxxiv, fig. 2.
Ibid.
- Pleosporites Shirainus**, Suzuki, 1910, p. 191, pl. vii, fig. 6, text-figs. 2 & 3.
Upper Cretaceous; Hokkaido, Japan.
- Plutonia cretacea**, Velenovsky, 1889, p. 11, pl. ii, figs. 11-20; pl. iii, figs. 1, 2.
Cenomanian; Vyserovic, Bohemia.
- Poacites acicularis**, Saporta, 1894, p. 146, pl. xxvi, fig. 7 b.
Urgonian; Portugal.
- **borealis**, Heer, 1874 A, p. 86, pl. xxiv, fig. 5.
Kome Beds; Greenland.
- **cercalinus**, Saporta, 1894, p. 146, pl. xxvii, fig. 17.
Urgonian; Portugal.
- **cretaceus**, Marik, 1901, p. 13, pl. ii, figs. 13-14.
Cenomanian; Bohemia.
- **gemillinervis**, Saporta, 1894, p. 96, pl. xv, fig. 30.
Valanginian; Portugal.
- **lævis**, Saporta, 1894, p. 180, pl. xxxii, fig. 10 (antedated by A. Braun, 1851).
Albian; Portugal.
- **Nelsonicus**, Eltingshausen, 1887 A, p. 180, pl. vii, figs. 22, 22 a.
Upper Cretaceous; New Zealand.

- Poacites paucinervis**, Saporta (*non* Heer, *nec* Watelet), 1894, p. 95, pl. xvi, fig. 33. Valanginian; Portugal.
- **plurinervis**, Saporta, 1894, p. 116, pl. xxii, fig. 8. Aptian; Portugal.
- **plurinervulosus**, Saporta, 1894, p. 146, pl. xxvi, fig. 4. Urgonian; Portugal.
- **striatifolius**, Saporta, 1894, pp. 57, 110, pl. xx, figs. 11, 12. Lower Cretaceous (?); Portugal.
- **tenellus**, Saporta, 1894, p. 95, pl. xvi, fig. 8; pl. xvii, fig. 3. Valanginian; Portugal.
- ? **sp.**, Hollick, 1894 A, p. 64, pl. clxxx, figs. 2, 12. Middle Cretaceous; Martha's Vineyard, U.S.A.
- **sp.**, Hollick, 1905 c, p. 411, pl. lxxiii, fig. 1. Cretaceous Shale; Long Island, U.S.A.
- Podalyriophyllum brochidodromum**, Ettingshausen, 1893, p. 151; & 1895, p. 51, pl. iv, fig. 17. Cretaceous; Australia.
- Podocarpites Tyrrellii**, Dawson, 1888, p. 35. Belly River Series; Canada.
- Podocarpium cupressinum**, Ettingshausen, 1887 A, p. 177, pl. vii, fig. 11. Upper Cretaceous; New Zealand.
- **præ-dacrydioides**, Ettingshausen, 1887 A, p. 178, pl. vii, fig. 12. Ibid.
- **tenuifolium**, Ettingshausen, 1887 A, p. 177, pl. vii, figs. 8-10, 10 a. Ibid.
- **Ungeri**, Ettingshausen, 1887 A, p. 177, pl. vii, figs. 13-15. Ibid.
- Podocarpoxylon aparenchymatosum**, Gothan, 1908 A, p. 8, pl. i, fig. 11. Cretaceous (?); Antarctica.
- Podocarpus cretacea**, Velenovsky, 1885, p. 13, pl. xii, figs. 5-11. (= *Podocarpus sp.*, Velenovsky, 1888 A.) Perucur Beds; Menlik.
- **sarthacensis**, Crié, 1879 (?), p. 30 [nomen nudum]. Cretaceous; Sainte-Croix, France.
- **sp.**, Velenovsky, 1888 A, p. 596, fig. 9. Cenomanian; Bohemia.
- Podogonium Americanum**, Lesquereux, 1878 B, p. 298, pl. lix, fig. 5; pl. lxiii, fig. 5; pl. lxxv, fig. 6. Montana Formation; Wyoming, U.S.A.
- Podozamites acuminatus**, Hollick in Newberry, 1895, p. 45, pl. xiii, fig. 7. Amboy Clay; New Jersey, U.S.A.
- **acutifolius**, Fontaine, 1889, p. 181, pl. lxxx, fig. 6; pl. lxxxv, figs. 10, 15; pl. lxxxvii, fig. 1; pl. clxx, fig. 2. Potomac Formation; Virginia, U.S.A.
- ? **acutus**, Saporta, 1894, p. 87, pl. xvi, fig. 28. Valanginian; Portugal.
- **affinis** (Schenk), Schimper, 1870, p. 161. Urgonian; Silesia.
- **alcantarina**, Saporta, 1894, p. 212, pl. xxxix, fig. 1. Cenomanian; Portugal.
- **angustifolius** (Eichwald), Schimper, 1870, p. 160; recorded Lesquereux, 1884, p. 28. (Re-named *Podozamites Knowltoni* by Berry, 1909.) Dakota Group; Kansas, U.S.A.

- Podozamites austro-caledonica**, Crie, 1889, p. 27 [nomen nudum].
Cretaceous; Portes de Fer, New Caledonia.
- **caudatus**, Lesquereux, 1883, p. 29. (= *Dammariites caudatus*, Lx., 1892.)
Dakota Group; Kansas, U.S.A.
- **distantinervis**, Fontaine, 1889, p. 179, pl. lxxix, fig. 5; pl. lxxxii, fig. 4; pl. lxxxiii, figs. 1, 2, 6, 7; pl. lxxxiv, figs. 1, 2, 8, 10, 14, 15; pl. lxxxv, figs. 1, 2, 16.
Potomac Formation; Virginia, U.S.A.
- **Eichwaldi** (Schimper), Heer, 1877 A, p. 36, pl. vii, fig. 7 e; pl. viii, figs. 1-4; pl. vi, fig. 22 e.
Jurassic; Siberia.
(Recorded Peruczer Beds, Bohemia, Velenovsky, 1885.)
- **ellipsoideus**, Saporta, 1894, p. 87, pl. xvi, fig. 31; p. 176, pl. xxxii, figs. 8-9; pl. xxxiii, fig. 5; pl. xxxv, fig. 12.
Valanginian & Albian; Portugal.
- **emarginatus**, Lesquereux, 1883, p. 29.
Dakota Group; Kansas, U.S.A.
- **gracilior**, Saporta, 1894, p. 175, pl. xxxiii, fig. 6.
Albian; Portugal.
- **grandifolius**, Fontaine, 1889, p. 180, pl. lxxxii, fig. 2; pl. lxxxiii, fig. 5.
Potomac Formation; Virginia, U.S.A.
- **Haydenii**, Lesquereux, 1883, p. 27. (= *Pterophyllum Haydenii*, Lesquereux, 1868.)
Dakota Group; Nebraska, U.S.A.
- **Henriquesi**, Saporta, 1894, p. 174, pl. xxxiv, figs. 6-7.
Albian; Portugal.
- **Hoheneggeri**, Schenk, 1871 A, p. 9, pl. ii, figs. 3-6. (= *Glossozamites Hoheneggeri*, Yokoyama, 1906.)
Wernsdorfer Beds; Austrian Silesia.
- **inæquilateralis**, Berry, 1910 c, p. 194. (= *Nageiopsis inæquilateralis*, Fontaine, 1889.)
Patuxent Formation; Virginia, U.S.A.
- **Knowltoni**, Berry, 1909, p. 247 (re-naming *Podozamites angustifolius* (Eichwald), Schimper, 1872, & *Zamites angustifolius*, Eichwald, 1860.)
- **lanceolatus** (Lindley & Hutton), Schimper, 1872, p. 160. Oolitic.
(Recorded, Lesquereux, 1891, Kootanie Formation of America.)
- **latipennis**, Heer, 1882, p. 42, pl. xiv, figs. 1-9; pl. xv, figs. 2 a, 3 b.
Atane Beds; Greenland.
- **linearis**, Saporta, 1894, p. 86, pl. xv, figs. 23-24.
Valanginian; Portugal.
- **lingulatus**, Schimper, 1872, p. 161.
Urgonian; Silesia.
- **longipennis**, Velenovsky, 1885, p. 10, pl. ii, fig. 7.
Peruczer Beds; Bohemia.
- **marginatus**, Heer, 1882, p. 43, pl. xvi, fig. 10.
Atane Beds; Greenland.
- **minor**, Heer (*non* (Schenk) Nathorst), 1882, p. 44, pl. xvi, fig. 8.
Ibid.
- **modestior**, Saporta, 1894, p. 174, pl. xxxi, fig. 11; pl. xxxii, fig. 7.
Albian; Portugal.

- Pedozamites nervosa**, Newberry (*non* Schenk), 1891, p. 200, pl. xiv, fig. 6 (name antedated by Schimper, 1872, p. 161).
Kootanie Formation; Montana, U.S.A.
- **oblongus**, Lesquereux, 1883, p. 28, pl. i, figs. 10–11.
Dakota Group; Kansas, U.S.A.
- **obovatus**, Schenk, 1871 A, p. 10, pl. ii, figs. 7–10; pl. iii, figs. 1–3.
Urgonian; Austrian Silesia.
- **obtus**, Velenovsky, 1885, p. 9, pl. i, figs. 8, 9.
Peruczer Beds; Bohemia.
- **oviformis**, Saporta, 1894, p. 87, pl. xvi, fig. 29.
Valanginian; Portugal.
- **pedicellatus**, Fontaine, 1889, p. 180, pl. lxxvi, fig. 1; pl. lxxviii, fig. 7; pl. lxxxii, fig. 5. Potomac Formation; Virginia, U.S.A.
- **prælongus**, Lesquereux, 1883, p. 29.
Dakota Group; Kansas, U.S.A.
- **proximans**, Conrad, 1869, p. 361, text-fig.
Raritan Clay; New Jersey, U.S.A.
- **pusillus**, Velenovsky, 1885, p. 11, pl. ii, figs. 20, 21, 22, 24 a.
Peruczer Beds; Bohemia.
- **Stenopus**, Lesquereux, 1892, p. 27, pl. i, fig. 7.
Dakota Group; Kansas, U.S.A.
- **striatus**, Velenovsky, 1885, p. 10, pl. ii, fig. 8. (= *Dammaphyllum striatum*, Velenovsky, 1889.) Peruczer Beds; Bohemia.
- **subfalcatus**, Fontaine, 1889, p. 179, pl. lxviii, fig. 6; pl. clxx, fig. 9.
Dakota Group; Virginia, U.S.A.
- **tenuinervis**, Heer, 1882, p. 44, pl. xvi, fig. 9.
Atane Beds; Greenland.
- **Zittelii**, Schenk, 1871 A, p. 8, pl. i, fig. 8.
Wernsdorfer Beds; Austrian Silesia.
- **sp.**, Fontaine, 1894, p. 267, pl. xxxvi, fig. 8.
Comanche Formation; Texas, U.S.A.
- **? sp.**, Hollick, 1894 A, p. 62, pl. clxxx, fig. 4.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **sp. ?**, Hollick, 1902 A, p. 401, pl. xli, figs. 8, 9.
Cretaceous; Massachusetts, U.S.A.
- Polypodites blechnoides**, Debey, 1848 A, p. 116; & 1850, p. 116.
Senonian; Aix, Rhenish Prussia.
- **gracilis**, Marik, 1901, p. 6, pl. i, figs. 14–15.
Cenomanian; Bohemia.
- **Mantelli**, Goepfert, 1836, p. 341. (= *Lonchopteris Mantelli*, Brongniart, 1828.)
- **Schneiderianus**, Goepfert, 1845, p. 214.
Quadersandstein; Löwenberg.
- **zonatus**, Marik, 1901, p. 4, pl. i, figs. 9–12.
Cenomanian; Bohemia.
- Polypodium dentatum**, Fontaine, 1889, p. 105, pl. xxii, figs. 4, 5.
Potomac Formation; Virginia, U.S.A.
- **fadyenioides**, Fontaine, 1889, p. 104, pl. xvi, figs. 4, 5. Ibid.

- Polypodium Graahianum**, Heer, 1883 A, p. 3, pl. xlviii, figs. 4, 4 b, 5 b, 5 bb. Patoot Beds; Greenland.
- **Hochstetteri**, Unger, 1866, p. 5, pl. ii, figs. 1, 2. Lower Cretaceous (?); New Zealand.
- Polystichum Hillsianum**, Hollick, 1902, p. 146, pl. iv, fig. 7. Laramie Formation; Colorado, U.S.A.
- Polytaenia quinquesecta**, Saporta & Marion, 1885, p. 117, text-fig. 125 A. Turonian; France.
- Populites affinis**, Lesquereux, 1873, p. 423. (= *Platanus affinis*, Lx., 1874, & *Cissites affinis*, Lx., 1876.) Dakota Group; Kansas, U.S.A.
- **amplus**, Knowlton in Stanton & Hatcher, 1905, p. 140, pl. xviii, fig. 1. Judith River Beds; Montana, U.S.A.
- **cuneatus**, Lesquereux in Saporta & Marion, 1878, p. 10 [nomen nudum]. Dakota Group; U.S.A.
- **cyclophylla** (Heer), Lesquereux, 1868, p. 93. (= *Populus cyclophylla*, Heer, 1858, & *Cissites cyclophylla*, Lx., 1876.) Dakota Group; Nebraska, U.S.A.
- **elegans**, Lesquereux, 1868, p. 94; & 1895, p. 10, pl. A, fig. 2; pl. B, fig. 1. Ibid.
- **fagifolia**, Lesquereux, 1873, p. 422. Dakota Group; Kansas, U.S.A.
- **flabellata**, Lesquereux, 1868, p. 94. (Re-named *Greviopsis flabellata* by Knowlton, 1898.) Dakota Group; Nebraska, U.S.A.
- **lancastriensis**, Lesquereux, 1874, p. 58, pl. iii, fig. 1. (= *Populus lancastriensis*, Lesquereux, 1868.) Ibid.
- **litigosus** (Heer), Lesquereux, 1892, p. 46, pl. vii, fig. 7; pl. viii, fig. 5; pl. xlvii, fig. 6; pl. xlvii, fig. 1. (= *Populus litigiosa*, Heer, 1867.) Dakota Group; Kansas, U.S.A.
- **microphyllus**, Lesquereux, 1869, p. 430, pl. xxiii, figs. 2, 3. Dakota Group; Nebraska, U.S.A.
- **ovata**, Lesquereux, 1868, p. 94. (= *Ampelophyllum ovatum*, Lx., 1876.) Ibid.
- **probalsamifera**, Dawson, 1894, p. 57, pl. vii, fig. 23. Upper Cretaceous; Vancouver Island, U.S.A.
- **quadrangularis**, Lesquereux, 1868, p. 94. (= *Hamamelites quadrangularis*, Lesquereux, 1876, and *Almites quadrangularis*, Lesquereux, 1874.) Dakota Group; Kansas, U.S.A.
- **salinæ**, Lesquereux, 1873, p. 423. (Re-named *Menispermites salinæ* by Knowlton, 1898.) Ibid.
- **salisburyæfolia**, Lesquereux, 1868, p. 94. (= *Cissites salisburyæfolius*, Lx., 1883.) Dakota Group; Nebraska, U.S.A.
- **Sternbergii**, Lesquereux, 1892, p. 45, pl. vii, figs. 8, 9. Dakota Group; Kansas, U.S.A.
- **tenuifolius**, Berry, 1905 E, p. 69, pl. xlix, fig. 7. Matawan Formation; New Jersey, U.S.A.
- **Winchelli**, Lesquereux, 1895, p. 12, pl. B, fig. 2. Dakota Group; Minnesota, U.S.A.

- Populocaulis yezoensis**, Stopes & Fujii, 1910, pp. 63-64, pl. viii, fig. 49. Upper Cretaceous; Hokkaido, Japan.
- Populophyllum crassinerve**, Fontaine, 1889, p. 312, pl. clviii, fig. 4. Potomac Formation; Virginia, U.S.A.
- **hederæforme**, Fontaine, 1889, p. 311, pl. clxvi, fig. 3. Ibid.
- **menispermoides**, Ward, 1905, p. 498, pl. cx, figs. 2-4. Ibid.
- **minutum**, Ward, 1905, p. 499, pl. cvii, fig. 9. Ibid.
- **reniforme**, Fontaine, 1889, p. 311, pl. clv, fig. 9; pl. clvi, fig. 3. Ibid.
- Populus acerifolia**, Newberry, 1870, p. 65; & 1878, pl. xiii, figs. 5-8. Laramie Formation. (Recorded Kurtz, 1902, p. 51 from Cenomanian, Argentina.)
- **amissa**, Heer, 1882, p. 65, pl. xxviii, fig. 18. Atane Beds; Greenland.
- ? **apiculata**, Newberry in Hollick, 1893, p. 31, pl. iii, fig. 2; & Newberry, 1895, p. 65, pl. xv, figs. 3, 4. Raritan Formation; Staten Island, U.S.A.
- **aristolochioides**, Lesquereux, 1876 A, p. 393. Dakota Group; Kansas, U.S.A.
- **auriculata**, Ward, 1895 A, p. 356, pl. iv, fig. 4. Potomac Formation; Virginia, U.S.A.
- **Berggreni**, Heer, 1871, p. 1183; & 1874 A, p. 106, pl. xxix, figs. 1-5. Atane Beds; Greenland.
- **cordata**, Heer (*non* Newberry), 1871, p. 1183 [*nomen nudum*]. Ibid.
- **cordifolia**, Newberry, 1870, p. 18; & 1878, pl. iii, fig. 7. Dakota Group; Nebraska, U.S.A.
- **cretacea**, Knowlton in Stanton & Hatcher, 1905, p. 138, pl. xvii, figs. 1-5. Judith River Beds; Montana, U.S.A.
- **cyclophylla**, Heer in Meek & Hayden, 1859, p. 266. (= *Populites cyclophylla* (Heer), Lesquereux, 1868, & *Cissites cyclophylla*, Lx., 1876.) Dakota Group; Nebraska, U.S.A.
- ? **Debeyana**, Heer in Capellini & Heer, 1867, p. 14, pl. i, fig. 1. (= *Juglans Debeyana* (Heer), Lesquereux, 1868.) Ibid.
- **denticulata**, Heer, 1883 A, p. 20, pl. lv, fig. 5. Patoot Beds; Greenland.
- **elliptica**, Newberry, 1870, p. 16; & 1878, pl. iii, figs. 1, 2. Dakota Group; Nebraska, U.S.A.
- **fiabellum**, Newberry, 1863, p. 524; & 1898, p. 44, pl. xx, fig. 4. Cretaceous; Washington, U.S.A.
- **harkeriana**, Lesquereux, 1892, p. 44, pl. xlvi, fig. 4. Dakota Group; Kansas, U.S.A.
- **hyperborea**, Heer, 1871, p. 1183; & 1874 A, p. 106, pl. xxvii, fig. 8 d; pl. xxix, figs. 6, 7 a, 8 a, 9; pl. xxx, fig. 2 b. Atane Beds; Greenland.
- **Kansaseana**, Lesquereux, 1892, p. 42, pl. xvii, figs. 1-7. Dakota Group; Kansas, U.S.A.

- Populus lancastriensis**, Lesquereux, 1868, p. 93. (= *Populites lancastriensis*, Lesquereux, 1874.) Dakota Group; Nebraska, U.S.A.
- **latidentata**, Dawson, 1886, p. 16. Belly River Series; Canada.
- **Leuce** (Rossm.), Unger, 1850 A, p. 417. (Recorded by Heer in Meek & Hayden, 1859, p. 265, from Dakota Cretaceous.)
- **litigiosa**, Heer in Capellini & Heer, 1867, p. 13, pl. i, fig. 2. Dakota Group; Nebraska, U.S.A.
- **litigiosa denticulata**, Lesquereux, 1892, p. 47 [nomen nudum].
- **longior**, Dawson, 1883, p. 27. Upper Cretaceous; Vancouver Island, Canada.
- **melanaria**, Heer in Lesquereux, 1878 B, p. 173, pl. lxiv, fig. 5. Montana Formation; Wyoming, U.S.A.
- **melanarioides**, Lesquereux, 1876 C, p. 379; & 1878 B, p. 174, pl. lxii, fig. 5. Ibid.
- **microphylla**, Newberry, 1870, p. 17; 1878, pl. iii, fig. 5; & 1898, p. 46, pl. iii, fig. 5. Dakota Group; Nebraska, U.S.A.
- **obovata**, Knowlton, 1900 A, p. 34, pl. vii, fig. 4. Montana Formation; Wyoming, U.S.A.
- **orbicularis** (Newberry), Berry, 1909, p. 250 (re-naming *Phyllites orbicularis*, Newberry, 1895). Raritan Formation; New Jersey, U.S.A.
- **potomacensis**, Ward, 1895 A, p. 356, pl. iv, figs. 1-3. Potomac Formation; Virginia, U.S.A.
- **primæva**, Heer, 1871, p. 1182; & 1874 A, p. 88, pl. xxiv, fig. 6. Kome Beds; Greenland.
- **? problematica**, Knowlton in Weed & Knowlton, 1893, p. 15, pl. vi, figs. 5, 6. Laramie Group; Montana, U.S.A.
- **protozadachii**, Dawson, 1883, p. 26, pl. vii, fig. 25. Upper Cretaceous; British Columbia.
- **rectinervata**, Dawson, 1883, p. 27, pl. vii, fig. 26. Upper Cretaceous; Vancouver Island, Canada.
- **rhomboidea**, Lesquereux, 1859, p. 360; & in Newberry, 1898, p. 51, pl. xx, figs. 1, 2. Ibid.
- **? Ricei**, Fontaine in Ward, 1905, p. 266, pl. lxi, fig. 10. Shasta Formation; Oregon, etc., U.S.A.
- **stygia**, Heer, 1874 A, p. 107, pl. xxix, fig. 10. Atane Beds; Greenland.
- **temulæformis**, Hosius & von der Marck, 1880, p. 152, pl. xxviii, figs. 43, 44 (45?). Upper Senonian; Haldem, Westphalia.
- **trinervis**, Dawson, 1883, p. 26. Upper Cretaceous; Vancouver Island, Canada.
- **Wardii**, Knowlton, 1900 A, p. 36, pl. vi, fig. 7. Montana Formation; Wyoming, U.S.A.
- **sp.**, Knowlton, 1900 A, p. 37, pl. vii, fig. 5. Ibid.
- **sp.**, Knowlton, 1905, p. 140, pl. xix, fig. 1. Judith River Beds; U.S.A.
- **sp.**, Hollick, 1906 A, p. 50, pl. vii, figs. 16-18 (Aments). Cretaceous; Martha's Vineyard, U.S.A.

- Posidonia cretacea**, Hosius & von der Marck, 1880, p. 134, pl. xxiv, figs. 7, 8, 9. Upper Senonian; Westphalia.
- Potamogeton cretaceus**, Heer, 1883 A, p. 19, pl. lv, figs. 23-24. Patoot Beds; Greenland.
- **priscus**, Feistmantel, 1874, p. 274. Perucur Beds; Bohemia.
- Potamogetophyllum vernonense**, Fontaine in Ward, 1905, p. 500, pl. cix, fig. 7. Older Potomac Formation; Virginia, U.S.A.
- Premna exul**, Velenovsky, 1882 A, p. 213 [nomen nudum]. Cretaceous; Bohemia.
- Premnophyllum exulum**, Velenovsky, 1839, p. 24. (= *Cissophyllum exulum*, Velenovsky, on same page.) Cenomanian; Bohemia.
- **trigonum**, Velenovsky, 1886, p. 51, pl. xviii, fig. 2. Ibid.
- Prepinus japonicus**, Stopes & Kershaw, 1910, p. 396, pl. xxvii, figs. 1, 2; pl. xxviii, fig. 1. Upper Cretaceous; Hokkaido, Japan.
- **statenensis**, Jeffrey, 1908, p. 209, pl. xiii. Raritan Formation; Staten Island, U.S.A.
- **viticetensis**, Jeffrey, 1910 c, p. 336, pl. xxxiii. Magothly or Upper Potomac; Staten Island, U.S.A.
- Protea Haidingeri**, Ettingshausen, 1867 A, p. 254, pl. ii, fig. 12. Cenomanian; Niederschoena, Saxony.
- Proteaphyllum californicum**, Fontaine, 1905 A, p. 267, pl. lxix, fig. 11. Shasta Formation; California, U.S.A.
- **dentatum**, Fontaine, 1889, p. 286, pl. clvi, fig. 7; pl. clxxii, figs. 1, 4; pl. clxxiii, figs. 12, 14. Potomac Formation; Maryland, U.S.A.
- **ellipticum**, Fontaine, 1889, p. 285, pl. cxlii, figs. 1, 2. Potomac Formation; Virginia, U.S.A.
- **oblongifolium**, Fontaine, 1889, p. 284, pl. cxxxix, fig. 5; pl. cxl, figs. 1, 2. Ibid.
- **orbiculare**, Fontaine, 1889, p. 283, pl. cxxxix, fig. 4. Ibid.
- **ovatum**, Fontaine, 1889, p. 285, pl. cxli, fig. 1. Ibid.
- **reniforme**, Fontaine, 1889, p. 282, pl. cxxxix, fig. 3; pl. clvi, fig. 4; pl. clx, figs. 1, 2. Ibid.
- **tenuinerve**, Fontaine, 1889, p. 286, pl. cl, fig. 13; pl. clvi, fig. 2. Ibid.
- **Uhleri**, Fontaine in Ward, 1905, p. 564, pl. cxviii, fig. 5. Older Potomac Formation; Maryland, U.S.A.
- **sp.?**, Fontaine, 1889, p. 284, pl. cxxxix, fig. 2. Potomac Formation; Virginia, U.S.A.
- Proteoides acuta**, Heer in Capellini & Heer, 1867, p. 17, pl. iv, figs. 7, 8. Dakota Group; Kansas, U.S.A.
- **affinis**, Schenk, 1876, p. 169, pl. xxix, fig. 14. Upper Cretaceous; Brandenburg, Tyrol.
- **australiensis**, Ettingshausen, 1893, pp. 140, 149; & 1895, p. 26, pl. iii, fig. 16. Cretaceous; Australia.
- **crassipes**, Heer (*non* Ettingshausen & Gardner), 1871, p. 1183; & 1874 A, p. 110, pl. xxxi, figs. 6-8 a. (= *Ficus crassipes*, Heer, 1882.) Atane Beds; Greenland.

- Proteoides daphnogenoides**, Heer in Capellini & Heer, 1867, p. 17,
pl. iv, figs. 9, 10. Dakota Group; Nebraska, U.S.A.
- **Ettingshauseni**, Schenk, 1876, p. 170, pl. xxix, fig. 13.
Upper Cretaceous; Brandenburg, Tyrol.
- **granulatus**, Heer, 1871, p. 1183; & 1874 A, p. 111, pl. xxxi,
figs. 11, 11 b. Atane Beds; Greenland.
- **grevilleæformis**, Heer in Capellini & Heer, 1867, p. 17, pl. iv,
fig. 11. Dakota Group; Kansas, U.S.A.
- *cf. grevilleæformis*, Heer in Kerner, 1896, p. 54, pl. v, fig. 2.
Cretaceous; Lesina, Dalmatia.
- **ilicoides**, Heer, 1871 A, p. 13, pl. iii, figs. 7, 8.
Senonian; Quedlinburg, Saxony.
- **lancifolius**, Heer, 1871 A, p. 12, pl. iii, figs. 5, 6. Ibid.
- **longus**, Heer, 1871, p. 1183; & 1874 A, p. 110, pl. xxxi, figs. 4, 5;
pl. xxix, fig. 8 b. (= *Myrica longa*, Heer, 1882.)
Atane Beds; Greenland.
- **major**, Dawson, 1893, p. 61, pl. xii, fig. 54.
Upper Cretaceous; Vancouver Island, Canada.
- **Neillii**, Dawson, 1894, p. 61, pl. xii, fig. 53. Ibid.
- **Reussi**, Engelhardt, 1892, p. 105. (= *Salix macrophylla*, Reuss.)
Cenomanian; Bohemia.
- **vexans**, Heer, 1871, p. 1183; & 1874 A, p. 111, pl. xxxi, figs. 9, 10.
Atane Beds; Greenland.
- **sp.**, Dawson, 1894, p. 61, pl. xiii, fig. 55.
Upper Cretaceous; Vancouver Island, Canada.
- Proteophyllum coriaceum**, Velenovsky, 1889, p. 18, pl. iv, fig. 13;
pl. vi, fig. 15. Cenomanian; Bohemia.
- **cornutum**, Velenovsky, 1889, p. 18, pl. iv, fig. 12. Ibid.
- **daphnoides**, Saporta, 1894, p. 203, pl. xxxvi, fig. 3.
Upper Albian; Portugal.
- **decorum**, Velenovsky, 1889, p. 18, pl. v, fig. 13.
Cenomanian; Bohemia.
- **demersum**, Saporta, 1894, p. 203, pl. xxxvii, fig. 15.
Upper Albian; Portugal.
- **dissectum**, Saporta, 1894, p. 156, pl. xxx, figs. 13, 14; pl. xxxi,
figs. 15-16; pl. xxxiv, fig. 17. Ibid.
- **laminarium**, Velenovsky, 1889, p. 18, pl. iv, fig. 7.
Cenomanian; Bohemia.
- **Launayi**, Zeiller, 1905, p. 342, pl. vii, figs. 12, 13, 13 a.
Upper Cretaceous; Balkans.
- **leucospermoides**, Saporta, 1894, p. 185, pl. xxx, fig. 15.
Albian; Portugal.
- **oblongatum**, Saporta, 1894, p. 204, pl. xxxvi, fig. 4. Ibid.
- **oxyanthæmorphum**, Saporta, 1894, p. 185, pl. xxxv, fig. 8.
Ibid.
- **paucidentatum**, Velenovsky, 1889, p. 18, pl. vi, figs. 12, 13.
Cenomanian; Bohemia.
- **productum**, Velenovsky, 1889, p. 18, pl. iv, figs. 10, 11. Ibid.

- Proteophyllum Saportanum**, Velenovsky, 1889, p. 18, pl. v, fig. 14.
Cenomanian; Bohemia.
- **trifidum**, Velenovsky, 1889, p. 18, pl. vi, fig. 14; pl. v, fig. 15.
Ibid.
- **truncatum**, Saporta, 1894, p. 203, pl. xxxvii, fig. 16.
Upper Albian; Portugal.
- Proteopsis Proserpinæ**, Velenovsky, 1889, p. 19, pl. i, figs. 6-9.
Cenomanian; Vyserovic, Bohemia.
- Protocyathea trichinopoliensis**, Feistmantel, 1877, p. 136, pl. i, figs. 1-2.
Neocomian (?); India.
- **Unger** (Unger), Feistmantel, 1877, p. 136 [nomen nudum = *Caulopteris cyatheoides*, Unger].
Neocomian; Austria.
- Protodammara speciosa**, Hollick & Jeffrey, 1906, p. 199, pl. i, figs. 5-13; pl. ii, figs. 1-5. (= *Dammara minor*, Hollick.)
Raritan Formation; Staten Island, U.S.A.
- Protophyllocladus lanceolatus** (Knowlton), Berry, 1903 D, p. 441 (re-naming *Thinnfeldia lanceolata*, Knowlton, 1893).
Laramie Formation; Montana, U.S.A.
- **polymorphus** (Lesquereux), Berry, 1903 D, p. 442 (re-naming *Salisburya polymorpha*, Lesquereux, 1859, & *Thinnfeldia polymorpha*, Knowlton, 1898).
- **subintegrifolius** (Lesquereux), Berry, 1903 A, p. 440; & 1904, p. 69, pl. i, fig. 5 (re-naming *Thinnfeldia subintegrifolia* (Lx.), Knowlton, 1898, & *Thinnfeldia Lesquereuxiana*, Heer, & *Phyllocladus subintegrifolius*, Lesquereux).
Cretaceous; Staten Island, U.S.A.
- Proteophyllum boreale**, Dawson, 1883, p. 23, pl. iv, fig. 13.
Upper Cretaceous; North-West Territory, Canada.
- **crassum**, Lesquereux, 1892, p. 193, pl. lxx, fig. 4.
Dakota Group; Kansas, U.S.A.
- **crednerioides**, Lesquereux, 1876 B, p. 363, pl. iii, fig. 1; pl. viii, fig. 4.
Ibid.
- **crenatum**, Knowlton in Lesquereux, 1892, p. 190, pl. lxx, fig. 7.
Ibid.
- **denticulatum**, Lesquereux, 1892, p. 193, pl. xxxvi, fig. 9.
Ibid.
- **dimorphum**, Lesquereux, 1892, p. 190, pl. xli, fig. 1.
Ibid.
- **Haydenii**, Lesquereux, 1874, p. 106, pl. xvii, fig. 3 (= *Pterospermites Haydenii*, Lesquereux, 1872).
Ibid.
- **integerrimum**, Lesquereux, 1892, p. 192, pl. xliii, fig. 3; & 1895, p. 21, pl. B, figs. 10, 11.
Dakota Group; Minnesota, U.S.A.
- **Leconteanum**, Lesquereux, 1874, p. 103, pl. xvii, fig. 4; pl. xxvi, fig. 1. (= *Credneria Le Conteana*, Lesquereux, 1868.)
Dakota Group; Kansas, U.S.A.
- **minus**, Lesquereux, 1874, p. 104, pl. xix, fig. 2; pl. xxvii, fig. 1.
Ibid.
- **Mudgii**, Lesquereux, 1874, p. 106, pl. xviii, fig. 3. (= *Quercus Mudgii*, Lx., 1872.)
Ibid.

- Protophyllum multinerve**, Lesquereux, 1874, p. 105, pl. xviii, fig. 1.
(=*Pterospermites multinervis*, Lesquereux, 1872.)
Dakota Group; Kansas, U.S.A.
- **Nanaimo**, Dawson, 1883, p. 28, pl. viii, fig. 35.
Upper Cretaceous; Vancouver Island, Canada.
- **nebrascense**, Lesquereux, 1874, p. 103, pl. xxvii, fig. 3.
Dakota Group; Nebraska, U.S.A.
- **obovatum**, Newberry, 1895, p. 128, pl. xxxviii, fig. 4. (= *Pterospermites obovatus*, Berry, 1909.) Amboy Clay; Woodbridge, U.S.A.
- **præstans**, Lesquereux, 1892, p. 188, pl. xli, figs. 2, 3; pl. xlii, figs. 3, 4.
Dakota Group; Kansas, U.S.A.
- **pseudospermoides**, Lesquereux, 1892, p. 194, pl. lix, fig. 2. Ibid.
- **pterospermifolium**, Lesquereux, 1892, p. 195, pl. lix, fig. 1. Ibid.
- **quadratum**, Lesquereux, 1874, p. 104, pl. xix, fig. 1. (= *Pterospermites quadratus*, Lesquereux, 1872.) Ibid.
- **querciforme**, Hollick, 1895, p. 227, pl. cxxxvii, fig. 1. Ibid.
- **rugosum**, Lesquereux, 1874, p. 105, pl. xvii, figs. 1-2; pl. xix, fig. 3. (= *Pterospermites rugosus*, Lesquereux, 1873.) Ibid.
- **Sternbergii**, Lesquereux, 1874, p. 101, pl. xvi; pl. xviii, fig. 2. (= *Pterospermites Sternbergii*, Lesquereux, 1873.) Ibid.
- ? **trilobatum**, Lesquereux, 1876 A, p. 397. Ibid.
- **undulatum**, Lesquereux, 1892, p. 189, pl. xlii, fig. 2. Ibid.
- **sp.**, Dawson, 1894, p. 63, pl. xi, figs. 46, 47.
Upper Cretaceous; Vancouver Island, Canada.
- Protopteris Buvignieri**, Brongniart, 1849 A, p. 111 [nomen nudum].
Lower Cretaceous; France.
- **Cotteana**, Presl in Sternberg, 1838, p. 170, pl. lxx, figs. 4-6; pl. lxxvii; & Stenzel, 1886, p. 25. Turonian; Oppeln.
- **Duplessyana**, Saporta, 1880, p. 646, pl. ii; pl. iii, figs. 1, 2.
Albian; Havre, France.
- **fibrosa**, Stenzel, 1886, p. 25, pl. iii, figs. 30-36. Turonian; Oppeln.
- **punctata**, (Sternberg), Presl in Sternberg, 1838, p. 170, pl. lxx, figs. 1-3. (= *Lepidodendron punctata*, Sternberg, 1820, = *Dicksonia punctata*, Heer.) Greensand; Bohemia.
- **Singeri**, Presl in Sternberg, 1838, p. 171, pl. lxx, fig. 7. (= *Caulopteris Singeri*, Goeppert, 1836, removed from Cretaceous by Debey & Ettingshausen, 1859 B, p. 245.) Cretaceous; Bohemia.
- **Sternbergii**, Corda, 1845, p. 77, pl. xlviii, fig. 1. Ibid.
- **Wohlegemuthi**, Fliche, 1896, p. 132, pl. i, fig. 2.
Albian; Clermont, France.
- Protorhipis cordata**, Heer, 1882, p. 10, pl. iii, fig. 11. (= *Hausmannia cordata* (Heer), Richter, 1906.) Kome Beds; Greenland.
- **Fisheri**, Knowlton, 1907, p. 114, pl. xii, fig. 3.
Kootanie Formation; Montana, U.S.A.
- Protorrhipis Choffati**, Saporta, 1891, p. 252; & 1894, p. 144, pl. xxii, figs. 9-11; pl. xxvi, figs. 17-18; pl. xxvii, figs. 1-5.
Urgonian; Portugal.

- Prunus? acutifolia**, Newberry, 1895, p. 90, pl. xiv, fig. 1.
Amboy Clay; Woodbridge, U.S.A.
- (**Amygdalus**)? **antecedens**, Lesquereux, 1892, p. 144, pl. lv, fig. 4.
Dakota Group; Kansas, U.S.A.
- **cerasiformis**, Velenovsky, 1887, p. 69, pl. xxix, figs. 2, 7.
Cenomanian; Bohemia.
- **cretaceus**, Lesquereux, 1868, p. 102; & 1874, p. 111, pl. xxiii, figs. 8, 9.
Dakota Group; Nebraska, U.S.A.
- **Parlatorii** (Heer), Lesquereux, 1868, p. 102. (= *Andromeda Parlatorii*, Heer, 1867.)
Dakota Group; Kansas, U.S.A.
- Psammopteris knorriæformis**, Eichwald, 1861, p. 304.
Greensand; Russia.
- Pseudo-Araucaria Lamberti**, Fliche, 1896, p. 193, pl. vii, fig. 2, text-fig. 7.
Albian; Grandpré, France.
- **Loppineti**, Fliche, 1896, p. 189, pl. vi, figs. 3-5.
Albian; Clermont, France.
- **major**, Fliche, 1896, p. 191, pl. vii, fig. 1.
Albian; Islettes, France.
- Pseudoasterophyllites cretaceus** (Feistmantel), Velenovsky, 1887 A, p. 643, on plate figs. 19-25. (= *Asterophyllites cretaceus*, Feistmantel, 1874.)
Cenomanian; Bohemia.
- Pseudocycas Dicksoni**, Nathorst, 1907, p. 8. (= *Cycadites Dicksoni*, Heer, 1874 A, = *Cycas Dicksoni*, Heer, 1882.)
Atane Beds; Greenland.
- **insignis**, Nathorst, 1907, p. 7, pl. i, figs. 1-5; pl. ii, figs. 1-9; pl. iii, fig. 1.
Cenomanian; Greenland.
- **pumilio**, Nathorst, 1907, p. 7, pl. i, figs. 6, 7.
Ibid.
- **Steenstrupi**, Nathorst, 1907, p. 8, pl. ii, figs. 10, 11. (= *Cycas Steenstrupi*, Heer, 1882.)
Ibid.
- Pseudofrenelopsis Felixi**, Nathorst in Felix & Nathorst, 1893, p. 52, text-figs. 6-9.
Neocomian; Mexico.
- Pseudogeinitzia sequoiiformis**, Hollick & Jeffrey, 1909, p. 45, pl. x, fig. 11; pl. xxv, fig. 4.
Raritan Formation; Staten Island, U.S.A.
- Pseudostrobus Guillieri**, Crié, 1879 (?), p. 30 [nomen nudum].
Cretaceous; Sainte-Croix, France.
- Ptenostrobus nebrascensis**, Lesquereux, 1874, p. 114, pl. xxiv, fig. 1.
Dakota Group; Nebraska, U.S.A.
- Pteridolemma aneimifolium**, Debey & Ettingshausen, 1859 B, p. 230, pl. vii, fig. 1.
Senonian; Aix, Rhenish Prussia.
- **antiquum**, Debey & Ettingshausen, 1859 B, p. 232, pl. vii, figs. 4-5, 10.
Ibid.
- **arborescens**, Debey & Ettingshausen, 1859 B, p. 237, pl. vii, figs. 11-13.
Ibid.
- **Benincasæ**, Debey & Ettingshausen, 1859 B, p. 225, pl. vi, figs. 1-5.
Ibid.
- **deperditum**, Debey & Ettingshausen, 1859 B, p. 233, pl. vii, fig. 8.
Ibid.

- Pteridolemma dictyoides**, Debey & Ettingshausen, 1859 B, p. 236,
pl. vi, figs. 15-17. Senonian; Aix, Rhenish Prussia.
- **dubium**, Debey & Ettingshausen, 1859 B, p. 231, pl. vii, figs. 2-3.
Ibid.
- **durum**, Bayer, 1896, p. 5, text-figs. 3, 4, & p. 31.
Upper Senonian; Bohemia.
- **Elisabethæ**, Debey & Ettingshausen, 1859 B, p. 222, pl. v, figs. 5-9.
Senonian; Aix, Rhenish Prussia.
- **gymnorhachis**, Debey & Ettingshausen, 1859 B, p. 234, pl. vii,
figs. 21-22. Ibid.
- **Haidingeri**, Debey & Ettingshausen, 1859 B, p. 228, pl. vi, fig. 10.
Ibid.
- **Heissianum**, Debey & Ettingshausen, 1859 B, p. 227, pl. vi, figs. 9,
14. Ibid.
- **Kaltenbachi**, Debey & Ettingshausen, 1859 B, p. 233, pl. vii, fig. 9.
Ibid.
- **Koninckianum**, Debey & Ettingshausen, 1859 B, p. 224, pl. v,
figs. 1-4. Ibid.
- **leptophyllum**, Debey & Ettingshausen, 1859 B, p. 235, pl. vii,
figs. 18-19. Ibid.
- **Michelisi**, Debey & Ettingshausen, 1859 B, p. 229, pl. vi, figs. 11-12.
Ibid.
- **odontopteroides**, Debey & Ettingshausen, 1859 B, p. 234, pl. vii,
fig. 20. Ibid.
- **orthophyllum**, Debey & Ettingshausen, 1859 B, p. 227, pl. vi,
fig. 6. Ibid.
- **pecopteroides**, Debey & Ettingshausen, 1859 B, p. 226, pl. vi,
figs. 7-8. Ibid.
- **phycomorpha**, Saporta, 1894, p. 171, pl. xxviii, figs. 7-9, 12.
Albian; Portugal.
- **pseudadiantum**, Debey & Ettingshausen, 1859 B, p. 235, pl. vii,
figs. 14-17. Senonian; Aix, Rhenish Prussia.
- **Ritzianum**, Debey & Ettingshausen, 1859 B, p. 224, pl. v, figs. 10-
12. Ibid.
- **Serresi**, Debey & Ettingshausen, 1859 B, p. 229, pl. vi, figs. 13,
18-19. Ibid.
- **spoliatum**, Saporta, 1894, p. 85, pl. xvi, fig. 25; pl. xviii, fig. 7.
Valanginian; Portugal.
- **tripartitum**, Saporta, 1894, p. 85, pl. xv, fig. 1. Ibid.
- **Waterkeyni**, Debey & Ettingshausen, 1859 B, p. 231, pl. vii,
figs. 6-7. Senonian; Aix, Rhenish Prussia.
- Pteridophyllum fastigatum**, Schulze, 1888, p. 11 [nomen nudum].
Neocomian; Helmstein.
- Pteris? Albertini** (Dunker), Velenovsky, 1888 B, p. 15, pl. iv, figs. 5-10.
Perucer Beds; Bohemia.
- **Albertsii** (Dunker), Heer, 1882, p. 29, pl. xvi, figs. 5, 6; pl. xxviii,
figs. 1-3; pl. xlvi, figs. 22-24. Atane Beds; Greenland.

- Pteris dakotensis**, Lesquereux, 1892, p. 24, pl. i, figs. 2, 3.
Dakota Group; Kansas, U.S.A.
- **frigida**, Heer, 1882, p. 3, pl. ii, fig. 13; p. 25, pl. vi, fig. 5 *b*; pl. x, figs. 1-4; pl. xi; pl. xii, fig. 2; pl. xiii, fig. 2; pl. xvi, figs. 1, 2; pl. xviii, fig. 10 *b*.
Kome Beds & Atane Beds; Greenland.
- (**Oleandra**) **glossopteroides**, Dawson, 1883, p. 24, pl. iv, fig. 16.
Upper Cretaceous; Protection Island, Canada.
- **longipennis**, Heer, 1882, p. 28, pl. x, figs. 5-13; pl. xiii, fig. 1.
Atane Beds; Greenland.
- **nebraskana**, Heer in Lesquereux, 1874, p. 46 (?), pl. xxix, fig. 5.
(Named *Pecopteris* (?) *nebraskana* (?), p. 46.)
Dakota Group; Kansas, U.S.A.
- **Reichiana**, Ettingshausen, 1867 A, p. 243.
Cenomanian; Niederschoena, Saxony.
- **Russellii**, Newberry, 1883, p. 503; & Hollick in Newberry, 1898, p. 7, pl. lxi, figs. 1, 1 σ .
Laramie Formation; New Mexico.
- **slivenecensis**, Marik, 1901, p. 7, pl. i, fig. 18.
Cenomanian; Bohemia.
- Pterophyllum alaskense**, Fontaine in Ward, 1905, p. 152, pl. xxxviii, figs. 19, 20.
Lower Cretaceous; Alaska.
- **blechniforme**, Hosius & von der Marck, 1880, p. 212, pl. xxiv, fig. 197.
Neocomian; Westphalia.
- **Buchianum**, Ettingshausen, 1852 c, p. 21, pl. i, fig. 1. (= *Dioonites Buchianus*, Bornemann, 1856.)
Wealden; Silesia.
- **californicum**, Fontaine in Diller & Stanton, 1894, p. 450 [nomen nudum].
Horsetown Beds; California, U.S.A.
- **concinnum**, Heer, 1874 A, p. 68, pl. xiv, figs. 15-20; pl. xv, fig. 5 *b*.
Kome Beds; Greenland.
- **cretosum**, Reich in Cotta, 1836, p. 585; and in Goeppert, 1847, p. 362, pl. xxxviii, fig. 4. (= *Pterozamites* (?) *cretosus*, Miquel, 1861.)
Cenomanian; Niederschoena, Saxony.
- **Ernestinæ**, Stiehler, 1857, p. 454; & 1858, p. 76, pl. xv. (= *Pterozamites Ernestinæ*, Miquel, 1861.)
Senonian; Quedlinburg, Saxony.
- **Germari**, Otto, 1854, p. 36, pl. v, figs. 3, 4.
Quader; Saxony.
- **Haydenii**, Lesquereux, 1868, p. 91; & 1874, p. 49, pl. i, fig. 6.
(= *Podozamites Haydenii*, Lesquereux, 1888, and in part = *Abietiles Ernestinæ*, Lesquereux, 1874, p. 49, pl. i, fig. 7.)
Dakota Group; Nebraska, U.S.A.
- **lepidum**, Heer, 1874 A, p. 68, pl. xvi, figs. 1-3 *b*.
Kome Beds; Greenland.
- ? **lowryanum**, Ward, 1905, p. 254, pl. lxvii, fig. 9.
Shasta Formation; California, U.S.A.
- **montanense** (Fontaine), Knowlton, 1907, p. 122, pl. xiv, fig. 3.
(= *Zamites montanensis*, Fontaine, 1893.)
Kootanie Formation; Montana, U.S.A.
- **Reichianum**, Engelhardt, 1892 A, p. 89, pl. ii, figs. 1, 2.
Cenomanian; Niederschoena, Saxony.

- Pterophyllum saxonicum**, Reichenbach in Geinitz, 1842, p. xxii; and in Goepfert, 1847, p. 362, pl. xxxviii, fig. 13. (= *Pterozamites* (?) *saxonicus*, Miquel, 1861.) Cenomanian; Niederschoena, Saxony.
- Pterosperrmites auriculatus**, Heer, 1882, p. 95, pl. xxvii, fig. 4.
Atane Beds; Greenland.
- **carolinensis**, Berry, 1907, p. 198, pl. xiv, fig. 2.
Middle Cretaceous; North Carolina, U.S.A.
- **cordifolius**, Heer, 1882, p. 94, pl. xxvii, figs. 2-3.
Atane Beds; Greenland.
- **credneriifolius**, Berry, 1907, p. 199, pl. xiii, fig. 4.
Middle Cretaceous; North Carolina, U.S.A.
- **Haydenii**, Lesquereux, 1872, p. 302. (= *Protophyllum Haydenii*, Lesquereux, 1874.) Dakota Group; Kansas, U.S.A.
- **longeacuminatus**, Lesquereux, 1892, p. 186, pl. lix, fig. 3. Ibid.
- **modestus**, Lesquereux, 1892, p. 186, pl. lviii, fig. 5. Ibid.
- **multinervis**, Lesquereux, 1872, p. 302. (= *Protophyllum multinerve*, Lesquereux, 1874.) Ibid.
- **obovatus** (Newberry), Berry, 1909, p. 259. (= *Protophyllum obovatum*, Newberry, 1895.) Amboy Clay; New Jersey, U.S.A.
- **quadratus**, Lesquereux, 1872, p. 301. (= *Protophyllum quadratum*, Lesquereux, 1874.) Dakota Group; Kansas, U.S.A.
- **rugosus**, Lesquereux, 1873, p. 426. (= *Protophyllum rugosum*, Lesquereux, 1874.) Ibid.
- **Sternbergii**, Lesquereux, 1873, p. 425. (= *Protophyllum Sternbergii*, Lesquereux, 1874.) Ibid.
- **undulatus**, Knowlton, 1900 A, p. 67, pl. xvi, fig. 3; pl. xvii, fig. 2; pl. xviii, fig. 4. Montana Formation; Wyoming, U.S.A.
- **Wardii**, Knowlton, 1900 A, p. 66, pl. xv, fig. 4; pl. xvi, fig. 1. Ibid.
- Pterospermum cretaceum**, Unger, 1865, p. 376, pl. i, figs. 2-3.
Cretaceous; Transylvania.
- Pterozamites Ernestinae**, Miquel, 1861, p. 29. (= *Pterophyllum Ernestinae*, Stiehler, 1857.) Senonian; Quedlinburg, Saxony.
- ? **saxonicus**, Miquel, 1861, p. 29. (= *Pterophyllum saxonicum*, Reichenbach, 1842.) Cenomanian; Niederschoena, Saxony.
- Puccinities cretaceus**, Velenovsky, 1889, p. 26, pl. iii, fig. 14, & pp. 48 & 52. (= *Uredinites cretaceus*, Velenovsky, same work, same plate, & p. 29.) Perucer Beds; Bohemia.
- Pycnois speciosa**, Stenzel, 1872, p. 71 [nomen nudum]. Cretaceous (?).
- Pyrus cretacea**, Newberry, 1870, p. 12; & 1878, pl. iii, fig. 7; & 1898, p. 110, pl. i, fig. 7. Dakota Group; Kansas, U.S.A.
- Quercophyllum chinkapinense**, Ward, 1905, p. 513, pl. cxii, figs. 3, 4. Older Potomac Formation; Virginia, U.S.A.
- **grossedentatum**, Fontaine, 1889, p. 307, pl. clvi, fig. 9. Ibid.
- **tenuinerve**, Fontaine, 1889, p. 308, pl. cxlix, figs. 6, 7. Ibid.
- **wyomingense**, Fontaine in Ward, 1899 B, p. 688, pl. clxix, fig. 6. Lower Cretaceous; Black Hills, U.S.A.

- Quercus acrodon**, Lesquereux (*non* Massalongo), 1878 B, p. 158, pl. xix, figs. 11-13. (= *Quercus Lesquereuxiana*, Knowlton, 1898.)
Laramie Formation; Wyoming, U.S.A.
- **alnoides**, Lesquereux, 1892, p. 54, pl. vii, fig. 3.
Dakota Group; Kansas, U.S.A.
- **anceps**, Lesquereux, 1868, p. 96.
Dakota Group; Nebraska, U.S.A.
- **antiqua**, Newberry, 1870, p. 26; & 1898, p. 69, pl. xiii, fig. 2.
Dakota Group; Utah, U.S.A.
- **asymetra**, Hosius & von der Marck, 1880, p. 165, pl. xxxi, fig. 82.
Upper Senonian; Haldem, Westphalia.
- **banksiæfolia**, Newberry, 1863, p. 522; & 1898, p. 69, pl. xviii, figs. 2-5.
Cretaceous; Washington, U.S.A.
- **Benzoin**, Lesquereux, 1859, p. 330. (= *Persea Lecointeana*, Lesquereux, 1874.)
Cretaceous (?); Vancouver Island, Canada.
- **Beyrichii**, Ettingshausen, 1867 A, p. 248, pl. ii, fig. 2.
Cenomanian; Niederschoepa, Saxony.
- **calliprinoides**, Ettingshausen, 1887 A, p. 182, pl. viii, fig. 9.
Upper Cretaceous; New Zealand.
- **castanoides**, Hosius & von der Marck (*non* Goeppert), 1880, p. 163, pl. xxx, figs. 76, 77.
Upper Senonian; Haldem, Westphalia.
- **colpophylla**, Ettingshausen, 1893, p. 134; & 1895, p. 19, pl. i, figs. 22, 23.
Cretaceous; Australia.
- **competens**, Lesquereux, 1876 c, p. 370.
Montana Formation (?); Wyoming, U.S.A.
- **coriacea**, Newberry, 1863, p. 521; & 1898, p. 73, pl. xix, figs. 1-3; pl. xx, fig. 5.
Lower Cretaceous; Washington, U.S.A.
- **cuneata**, Hosius (*non* Newberry, *nec* Saporta), 1870 A, p. 97, pl. xiii, fig. 10.
Senonian; Legden, Westphalia.
- **cuneata**, Newberry, 1870, p. 25.
Dakota Group; Nebraska, U.S.A.
- **cuspidigera**, Heer, 1883 A, p. 25, pl. lvi, fig. 22.
Patoot Beds; Greenland.
- **dakotensis**, Lesquereux, 1883, p. 39; & 1892, p. 56, pl. xii, fig. 4.
Dakota Group; Kansas, U.S.A.
- **denticulata**, Heer, 1883 A, p. 25, pl. lvi, fig. 16.
Patoot Beds; Greenland.
- **dentonoides**, Knowlton, 1900 A, p. 40, pl. vii, fig. 7.
Montana Formation; Wyoming, U.S.A.
- **dryandraefolia**, von der Marck, 1864, p. 79, pl. xiii, figs. 6-7.
Upper Senonian; Westphalia.
- **elliptica**, Newberry, 1863, p. 523; & 1898, p. 74, pl. xviii, fig. 1; pl. xx, fig. 3.
Cretaceous; Washington, U.S.A.
- **ellsworthianus**, Lesquereux, 1868, p. 96; & 1874, p. 65, pl. vi, fig. 7. (= *Laurophyllum ellsworthianum*, Lesquereux, 1892.)
Dakota Group; Nebraska, U.S.A.
- **eoprinoides**, Berry, 1904 A, p. 74, pl. iv, fig. 11.
Matawan Formation; New Jersey, U.S.A.

- Quercus eucalyptoides**, Ettingshausen, 1893, pp. 140, 148; & 1895, p. 18, pl. i, fig. 26. Cretaceous; Australia.
- **euryphylla**, Hosius & von der Marck, 1880, p. 160, pl. xxviii, figs. 48, 49, 50; pl. xxix, fig. 51. Upper Senonian; Haldem, Westphalia.
- **ferox**, Heer, 1882, p. 68, pl. xix, fig. 7. Atane Beds; Greenland.
- **flexuosa**, Newberry, 1863, p. 521; & 1898, p. 74, pl. xix, figs. 4-6. Cretaceous; Washington, U.S.A.
- **formosa**, Hosius & von der Marck, 1880, p. 164, pl. xxxi, fig. 81. Upper Senonian; Haldem, Westphalia.
- **glascoena**, Lesquereux, 1892, p. 55, pl. vi, fig. 6. Dakota Group; Kansas, U.S.A.
- **gracilis**, Newberry (*non* Saporta), 1883, p. 504; & 1898, p. 75, pl. lxvii, fig. 4. Montana Formation; Wyoming, U.S.A.
- **Hatcheri**, Knowlton, 1906, Proc. Biol. Soc. Washington, vol. xxix, p. 95. (= *Quercus montana*, Knowlton, *non* Willd.) Judith River Beds; Montana, U.S.A.
- **hexagona**, Lesquereux, 1868, p. 95; & 1874, p. 64, pl. v, fig. 8. Dakota Group; Nebraska, U.S.A.
- **hieracifolia** (Debey), Hosius & von der Marck, 1880, p. 166, pl. xxxi, figs. 85-88. (= *Dryandroides hieracifolia*, Debey *in litt.*) Upper Senonian; Westphalia.
- **Hollickii**, Berry, 1905 B, p. 71, pl. li, figs. 1, 2. Matawan Formation; New Jersey, U.S.A.
- **Holmesii**, Lesquereux, 1892, p. 58. (= *Dryophyllum* (*Quercus*) *Holmesii*, Lesquereux, 1883.) Upper Cretaceous; Vancouver, Canada.
- (*Dryophyllum*) **Hosiana**, Lesquereux, 1892, p. 57, pl. iii, fig. 14. Dakota Group; Kansas, U.S.A.
- ? **iliciformis**, Hosius & von der Marck (*non* Saporta), 1880, p. 165, pl. xxxi, fig. 84. Upper Senonian; Haldem, Westphalia.
- **Johnstrupi**, Heer, 1883 A, p. 24, pl. lvi, figs. 7-11, 11 b, 12 a. Patoot Beds; Greenland.
- **Judithæ**, Knowlton in Stanton & Hatcher, 1905, p. 143, pl. xviii, fig. 2. Judith River Beds; Montana, U.S.A.
- **kanseana** (Lx.), Knowlton, 1898, p. 194 (re-naming *Hamamelites kansaseana*, Lesquereux, 1876 B, and *Alnus kanseana*, Lx., 1878.) Dakota Group; Kansas, U.S.A.
- **Langeana**, Heer, 1883 A, p. 24, pl. lvi, figs. 13-15. Patoot Beds; Greenland.
- **latifolia**, Lesquereux, 1892, p. 58. (= *Dryophyllum latifolium*, Lesquereux, 1876.) Dakota Group; Kansas, U.S.A.
- **latissima**, Hosius, 1870 A, p. 97, pl. xiii, fig. 11. Senonian; Legden, Westphalia.
- **Legdensis**, Hosius, 1870 A, p. 97, pl. xiii, fig. 7. Ibid.
- **Lesquereuxiana**, Knowlton, 1898, p. 194; & 1900 A, p. 39, pl. vii, fig. 1 (re-naming *Quercus acrodon*, Lesquereux, 1878 B). Montana Formation; Wyoming, U.S.A.

- Quercus longifolia**, Hosius, 1870 A, p. 97, pl. xiii, figs. 8-9.
Senonian; Legden, Westphalia.
- **Marioni**, Heer, 1883 A, p. 23, pl. lvi, figs. 1-6.
Patoot Beds; Greenland.
- **montana**, Knowlton in Stanton & Hatcher, 1905, p. 143, pl. xvii, fig. 6 (antedated by Willd. = *Quercus Hatcheri*)
Judith River Beds; Montana, U.S.A.
- ? **montanensis**, Knowlton, 1900 A, p. 11, pl. i, fig. 10.
Montana Formation; Missouri R., U.S.A.
- **Morrisoniana**, Lesquereux, 1883, p. 40, pl. xvii, figs. 1-2.
Dakota Group; Colorado, U.S.A.
- **Mudgii**, Lesquereux, 1872, p. 302. (= *Protaphyllum Mudgii*, Lesquereux, 1874.)
Dakota Group; Kansas, U.S.A.
- **multinervis**, Lesquereux, 1859, p. 360.
Cretaceous (?); Vancouver Island, Canada.
- **Myrtillus**, Heer, 1883 A, p. 25, pl. lvi, figs. 12 b, 17-20.
Patoot Beds; Greenland.
- **negundoides**, Lesquereux, 1872, p. 292.
Laramie Formation; Wyoming, U.S.A.
- **Nelsonica**, Ettingshausen, 1887 A, p. 182, pl. viii, fig. 10.
Upper Cretaceous; New Zealand.
- ? **Novæ-Cæsareæ**, Hollick, 1898 D, p. 131, pl. xiii, figs. 8, 10.
Upper Cretaceous; New Jersey, U.S.A.
- ? (**Dryophyllum**) **occidentalis** (Dawson), Knowlton, 1898, p. 195 (re-naming *Dryophyllum occidentale*, Dawson, 1894).
Upper Cretaceous; Vancouver, Canada.
- **pachyphylla**, Ettingshausen, 1887 A, p. 181, pl. viii, figs. 8, 8 a.
Upper Cretaceous; New Zealand.
- **patootensis**, Heer, 1883 A, p. 25, pl. lvi, fig. 21.
Patoot Beds; Greenland.
- **paucinervis**, Hosius (*non* Watelet), 1870 A, p. 98, pl. xiii, fig. 12.
Senonian; Legden, Westphalia.
- **platinervis**, Lesquereux, 1859, p. 361.
Cretaceous (?); Vancouver Island, Canada.
- **poranoides**, Lesquereux, 1874, p. 66, pl. xxx, fig. 9.
Dakota Group; Kansas, U.S.A.
- **Pratti**, Berry, 1907, p. 192, pl. xi, fig. 9.
Middle Cretaceous; North Carolina, U.S.A.
- **primordialis**, Lesquereux, 1868, p. 95; & 1874, p. 64, pl. v, fig. 7. (= *Dryophyllum primordiale*, Lesquereux, 1883.)
Dakota Group; Nebraska, U.S.A.
- **pseudo-chlorophylla**, Ettingshausen, 1893, p. 148; & 1895, p. 17, pl. ii, fig. 10.
Cretaceous; Australia.
- **pseudo-drymeja**, Velenovský, 1882 A, p. 213; & 1883, p. 42, pl. x, figs. 21, 22.
Senonian; Bohemia.
- **raritanensis**, Berry, 1909, p. 249 (re-naming *Quercus Johnstrupi*, Newberry (*non* Heer), 1895, p. 69, pl. xix, fig. 7).
Raritan Formation; New Jersey, U.S.A.

Quercus reticulata, Eichwald, 1865, p. 62, pl. iii, fig. 16.

Cretaceous; Russia.

— (**Dryophyllum**) **ramnoides**, Lesquereux, 1892, p. 57, pl. xlviii, fig. 4. Dakota Group; Kansas, U.S.A.

— **rhomboidalis**, Hosius & von der Marck, 1880, p. 165, pl. xxxi, fig. 82. Upper Senonian; Haldem, Westphalia.

— **Rinkiana**, Heer, 1882, p. 67, pl. xix, fig. 5.

Atane Beds; Greenland.

— **robusta**, Schulze, 1888, p. 20 [nomen nudum].

Senonian; Heidelberg.

— **rosmarinifolia**, Ettingshausen, 1893, pp. 134, 148; & 1895, p. 19, pl. i, fig. 25. Cretaceous; Australia.

— **salicifolia**, Newberry, 1870, p. 24; & 1878, pl. ii, fig. 1; & 1898, p. 77, pl. i, fig. 1. Dakota Group; Nebraska, U.S.A.

— **semi-alatus**, Lesquereux, 1868, p. 96. (= *Anisophyllum semi-alatum*, Lesquereux, 1874.) Ibid.

— **severnensis**, Berry, 1910 II, p. 22, pl. viii, fig. 3.

Magothy Formation; Severn River, U.S.A.

— **sinuata**, Newberry, 1870, p. 27; & 1898, p. 78, pl. xiii, fig. 1.

Dakota Group; Utah, U.S.A.

— **spathulata**, Eichwald, 1865, p. 62, pl. iii, figs. 9, 10.

Neocomian; Kursk, Russia.

— **sphenobasis**, Hosius & von der Marck, 1880, p. 164, pl. xxx, figs. 78–80. Upper Senonian; Haldem, Westphalia.

— **spurio-ilex**, Knowlton in Lesquereux, 1892, p. 53, pl. xlviii, fig. 3. Dakota Group; Kansas, U.S.A.

— **Stokesii**, Ettingshausen, 1893, pp. 133, 148; & 1895, p. 18, pl. i, fig. 21. Cretaceous; Australia.

— **suspecta**, Lesquereux, 1892, p. 52, pl. xlvii, fig. 7; pl. xlviii, figs. 1, 2. Dakota Group; Kansas, U.S.A.

— **thulensis**, Heer, 1882, p. 69, pl. xxvi, fig. 7.

Atane Beds; Greenland.

— **troglodytis**, Heer, 1882, p. 69, pl. xxix, fig. 14.

Ibid.

— **Velenovskyi**, Bayer, 1896, pp. 11, 33, text-figs. 7–9.

Upper Senonian; Kieslingswalda, Bohemia.

— **venulosa**, Eichwald, 1865, p. 63, pl. iii, fig. 11.

Neocomian; Kursk, Russia.

— **viburnifolia**, Lesquereux, 1878, p. 159, pl. xx, figs. 11, 12.

Laramie Formation; Wyoming, U.S.A.

— **Victoriae**, Dawson, 1883, p. 27, pl. vii, fig. 28.

Upper Cretaceous; Vancouver Island, Canada.

— **Wardiana**, Lesquereux, 1892, p. 53, pl. vii, fig. 1.

Dakota Group; Kansas, U.S.A.

— **Warmingiana**, Heer, 1882, p. 68, pl. xix, fig. 6.

Atane Beds; Greenland.

— **westfalica**, Hosius & von der Marck, 1880, p. 161, pl. xxix, figs. 52–63; pl. xxx, figs. 64–75. Senonian; Haldem, Westphalia.

- Quercus westfalica latior**, Hosius & von der Marek, 1880, p. 161, pl. xxix, figs. 52-59. Senonian; Haldem, Westphalia.
- **westfalica oblonga**, Hosius & von der Marek, 1880, p. 161, pl. xxx, figs. 69-75. Ibid.
- **westfalica obtusata**, Hosius & von der Marek, 1880, p. 161, pl. xxix, figs. 60-63; pl. xxx, figs. 64-68. Ibid.
- **Wilmsii**, Hosius, 1870 A, p. 95, pl. xii, figs. 3-6. Senonian; Westphalia.
- **wyomingiana**, Lesquereux, 1873, p. 400. (Name subsequently cancelled by author). Laramie Formation; Wyoming, U.S.A.
- **sp.**, Berry, 1905 B, p. 72, pl. xlvii, fig. 6. (= *Quercus sp.*, Hollick, 1906 A.) Middle Cretaceous; New Jersey, U.S.A.
- **sp.**, Cornuel, 1866, p. 673, pl. xii, fig. 1. Neocomian; France.
- **sp.**, Ettingshausen, 1895, p. 20, pl. i, figs. 27-28. Cretaceous; Australia.
- **sp.**, Hollick, 1898 D, p. 131, pl. xiv, fig. 9. Middle Cretaceous; New Jersey, U.S.A.
- **sp.**, Hollick, 1906 A, p. 56, pl. viii, fig. 17. Middle Cretaceous; Martha's Vineyard, U.S.A.
- Raphaelia neuropteroides**, Debey & Ettingshausen, 1859 B, p. 220, pl. iv, figs. 23-28; pl. v, figs. 18-20. Senonian; Aix, Rhenish Prussia.
- **Woldrichi**, Marik, 1901, p. 3, pl. i, figs. 3-8. Cenomanian; Bohemia.
- Raritania gracilis** (Newberry), Hollick & Jeffrey, 1909, p. 26, pl. vi, figs. 4-7; pl. ix, figs. 1-4; pl. x, figs. 14-17; pl. xix, figs. 3-6; pl. xx, fig. 1. (= *Frenelopsis gracilis*, Newb., 1895.) Raritan Formation; Staten Island, U.S.A.
- Raumeria masseiana**, Capellini & Solms-Laubach in Capellini, 1890, p. 446, pl. ii. (= *Cycadeoidea masseiana*, Capellini & Solms-Laubach, 1892.) Cenomanian (?); Italy.
- Ravenalospermum incertissimum**, Saporta, 1894, p. 200, pl. xxxvi, figs. 13-14. Upper Albion; Portugal.
- Rhacoglossum dentatum**, Debey, 1849, p. 299 [nomen nudum]. Senonian; Aix, Rhenish Prussia.
- **heterophyllum**, Debey, 1850, p. 117 [nomen nudum]. Ibid.
- Rhamnites apiculatus**, Lesquereux, 1892, p. 171, pl. xxxvii, figs. 8-13. Dakota Group; Kansas, U.S.A.
- **minor**, Hollick in Newberry, 1895, p. 106, pl. xlii, fig. 36. Amboy Clay; U.S.A.
- Rhamnus? acuta**, Heer, 1882, p. 78, pl. xli, fig. 6; pl. xlv, fig. 13 e. Atane Beds; Greenland.
- **deformatus**, Lesquereux, 1883, p. 126, pl. xx, fig. 6. Laramie Formation; Colorado, U.S.A.
- **discolor**, Lesquereux, 1873, p. 398; & 1878, p. 280, pl. lii, fig. 17. Laramie Formation; Wyoming, U.S.A.
- **elegans**, Newberry, 1870, p. 49; & 1898, p. 117, pl. i, fig. 2. Laramie Formation; Colorado, U.S.A.

- Rhamnus inæquilateralis**, Lesquereux, 1892, p. 170, pl. xxxvii, figs. 4-7. Dakota Group; Kansas, U.S.A.
- **Mudgei**, Lesquereux, 1892, p. 169, pl. xxxvii, figs. 2, 3. Ibid.
- **Novæ-Cæsareæ**, Berry, 1905 B, p. 85, pl. 1, figs. 5, 6. Matawan Formation; New Jersey, U.S.A.
- **obovatus**, Lesquereux, 1868, p. 207; & 1878 B, p. 281, pl. liv, figs. 1, 2. Laramie Formation; New Mexico, U.S.A.
- **Oerstedii**, Heer, 1882, p. 98, pl. xxi, figs. 9, 10. Atane Beds; Greenland.
- **Pfaffiana**, Heer, 1883 A, p. 42, pl. lxiv, fig. 8. Patoot Beds; Greenland.
- **prunifolius** Lesquereux, 1883, p. 85; & 1892, p. 169, pl. xxxv, fig. 14. Dakota Group; Kansas, U.S.A.
- **revoluta**, Lesquereux, 1892, p. 171, pl. lxv, fig. 5. Ibid.
- **Rossmæssleri**, Unger, 1850 A, p. 464. (Recorded Hollick, 1893, Cretaceous, U.S.A.)
- **salicifolius**, Lesquereux, 1868 A, p. 206; & 1878 B, p. 282, pl. liii, figs. 9, 10. Laramie Formation; Colorado, U.S.A.
- **similis**, Lesquereux, 1892, p. 168, pl. xxxv, figs. 12, 13. Dakota Group; Kansas, U.S.A.
- **tenax**, Lesquereux, 1868, p. 101; & 1874, p. 109, pl. xxi, fig. 4. Dakota Group; Nebraska, U.S.A.
- **sp. ?**, Hosijs & von der Marck, 1880, p. 175, pl. xxxvi, fig. 131. Upper Senonian; Halde, Westphalia.
- Rhizocaulon elongatum**, Saporta, 1894, p. 94, pl. xv, figs. 5-6; & p. 146, pl. xxvi, fig. 6. Valanginian & Urgonian; Portugal.
- **najadinum**, Vater, 1884, p. 833, pl. xxvii, fig. 6. Lower Senonian (?); Helmstedt.
- **vetus**, Saporta, 1890 A, p. 814; 1894, p. 94, pl. xv, fig. 4; pl. xvi, fig. 7. Valanginian; Portugal.
- Rhizodendron oppoliense**, Goeppert, 1865 B, p. 397; & in Stenzel, 1886, p. 5, pl. i, figs. 1, 3, 5-12; pl. ii; pl. iii, figs. 20-29. (= *Rhizopterodendron oppoliense*, Goeppert, 1881, = *Caulopteris oppoliensis*, Stenzel, 1897.) Turonian; Oppeln.
- Rhizopterodendron oppoliense**, Goeppert, 1881, p. 3. (= *Rhizodendron oppoliense*, Goeppert, 1865 B.) Turonian; Silesia.
- Rhodomela diluviana**, Agardh, 1824, p. 201. (= *Fucoides strictus*, Brongniart, 1824.)
- Rhodomelites strictus** (Agardh MS.), Sternberg, 1833, p. 25. (= *Fucoides strictus*, Brongniart, 1824, = *Sphærococcites strictus*, Brongniart, 1828.) Cretaceous; La Rochelle, France.
- Rhodenites Mantelli**, Debey in Debey & Ettingshausen, 1859 A, p. 207. (= *Sphærococcites Mantelli*, Roemer, 1841.) Pläner; Saxony.
- Rhodium Ungerii**, Mercklin, 1855, p. 21, pl. i, figs. 1, 2; pl. ii. Greensand; Russia.
- Rhopala primæva**, Ettingshausen, 1867 A, p. 255, pl. iii, fig. 5. Cenomanian; Niederschoena, Saxony.

- Rhopalophyllum australe**, Ettingshausen, 1893, p. 149; & 1895, p. 28, pl. iii, figs. 12, 13. Cretaceous; Australia.
- **primævum**, Ettingshausen, 1895, p. 2 [non en nudum]. Ibid.
- Rhus antiqua**, Bozzi, 1891, p. 377, pl. xvi, fig. 4. Cretaceous (?); Italy.
- **cretacea**, Bozzi (*non* Heer, *nec* Velenovsky) in Tommasi, 1892, p. 1119 [nomen nudum]. Senonian (?); Italy.
- **cretacea**, Heer (*non* Velenovsky), 1871 A, p. 14, pl. iii, fig. 11. Senonian; Quedlinburg, Saxony.
- **cretacea**, Velenovsky (*non* Heer), 1887, p. 68, pl. xxvii, figs. 7-12. Cenomanian; Bohemia.
- **dens mortis**, Bayer, 1893, pp. 19, 42, fig. 13; & Bayer in Fritsch, 1893, p. 130, text-fig. 185. Cenomanian; Priesen, Bohemia.
- **evansii**, Lesquereux, 1872, p. 293. Laramie Formation; Wyoming, U.S.A.
- **membranacea**, Lesquereux, 1876 A, p. 369; & 1878 B, p. 292, pl. lxiv, figs. 6, 7. Montana Formation (?); Wyoming, U.S.A.
- **microphylla**, Heer, 1874 A, p. 117, pl. xxxii, fig. 18. (Re-named *Comptonia microphylla* by Berry, 1906 A.) Atane Beds; Greenland.
- **Powelliana**, Lesquereux, 1892, p. 155, pl. lvi, figs. 4, 5. Dakota Group; Kansas, U.S.A.
- **pseudo-Meriani**, Lesquereux, 1878 B, p. 293, pl. lviii, fig. 11. Laramie Formation; Wyoming, U.S.A.
- **Uddeni**, Lesquereux, 1892, p. 154, pl. lvii, fig. 2. Dakota Group; Kansas, U.S.A.
- ? **Westii**, Knowlton in Lesquereux, 1892, p. 154, pl. xxxviii, figs. 9, 10. Ibid.
- Rhynchogoniopsis neocomiensis**, Neumann, 1907, p. 87, pl. i, fig. 3. Neocomian; Peru.
- Rhytisma hederæ**, Heer, 1882, p. 20, pl. xxiv, fig. 6 a. Atane Beds; Greenland.
- Rhytismites hederæ**, Meschinelli, 1892, p. 781. (= *Rhytisma hederæ*, Heer, 1882.)
- Roemeria americana**, Unger in Roemer, 1852, p. 95. Cretaceous (?); Texas, U.S.A.
- Rogersia angustifolia**, Fontaine, 1889, p. 288, pl. cxliii, fig. 2; pl. cxliv, figs. 4, 8; pl. cl, figs. 2-7. Potomac Formation; Virginia, U.S.A.
- **angustifolia**, var. **parva**, Fontaine in Ward, 1905, p. 523, pl. cxi, fig. 9. Older Potomac Formation; Washington, U.S.A.
- **longifolia**, Fontaine, 1889, p. 287, pl. cxxxix, fig. 6; pl. cxliv, fig. 2; pl. cl, fig. 1; pl. clx, figs. 1, 2. Potomac Formation; Virginia, U.S.A.
- Rohlfisia celastroides**, Schenk, 1883, p. 9, pl. iv, fig. 12. Upper Cretaceous; Libyan Desert.
- Rosellinites lapideus** (Lesquereux), Knowlton, 1898, p. 204 (re-naming *Sphaerium lapideu*, Lesquereux, 1873). Laramie Formation; Colorado, U.S.A.

- Rosthornia carinthiaca**, Unger, 1842, p. 110. Senonian ; Carinthia.
- Royena desertorum**, Heer, 1876 b, p. 10, figs. 11-16 (fruits). Upper Cretaceous ; Egypt.
- Rubiæphyllum (Ericophyllum) Gaylussaciæ**, Bayer, 1893, pp. 31, 47, text-fig. 21 ; & Bayer in Fritsch, 1893, p. 131, text-fig. 192. Senonian ; Priesen, Bohemia.
- Sabal Campbelli**, Newberry, 1863, p. 515 ; & 1898, p. 27, pl. xxi, figs. 1, 2. Tertiary & Cretaceous ; Washington, U.S.A.
- **grandifolia**, Newberry, 1898, p. 28, pl. xxv ; pl. lxiii, fig. 5 ; pl. lxiv, fig. 2, 2 a. Laramie Formation ; Colorado, U.S.A.
- **imperialis**, Dawson, 1883, p. 26, pl. vi, fig. 23. Upper Cretaceous ; Vancouver Island, Canada.
- **rigida**, Hatcher, 1901, p. 263, text-fig. 1. Laramie Formation ; Wyoming, U.S.A.
- Sabalites andegavensis**, hitherto described as Tertiary, said to be Senonian by Welsch, 1897, p. 667.
- Sabiocaulis Sakuraii**, Stopes & Fujii, 1910, pp. 66-70, pl. viii, fig. pl. ix, figs. 55-57. Upper Cretaceous ; Hokkaido, Japan.
- Sagenopteris elliptica**, Fontaine, 1889, p. 149, pl. xxvii, figs. 9, 11-17. Potomac Formation ; Virginia, U.S.A.
- **latifolia**, Fontaine, 1889, p. 148, pl. xxvii, fig. 10. Ibid.
- **Mantelli** (Dunker), Schenk, 1871 b, p. 222, pl. xxxi, fig. 5. Recorded Diller & Stanton, 1894, American Lower Cretaceous.
- **neocomiensis**, Hosius & von der Marck, 1880, p. 210, pl. xlv, fig. 194. Neocomian ; Westphalia.
- **nervosa**, Fontaine in Ward, 1905, p. 237, pl. lxv, figs. 41-45. Shasta Formation ; California, U.S.A.
- **nilssoniana** (Brongniart), Ward, recorded Penhallow, 1902 b, p. 39. Upper Cretaceous ; Queen Charlotte Island, Canada.
- **oblongifolia**, Penhallow, 1902 b, p. 40, text-fig. 2. Lower Cretaceous ; Queen Charlotte Island, Canada.
- **oregonensis**, Fontaine in Ward, 1905, p. 235, pl. lxv, figs. 36-38 (re-naming *Sagenopteris latifolia*, Fontaine in Diller & Stanton, & *Angiopteridium oregonense*, Fontaine in Stanton.) Shasta Formation ; California, U.S.A.
- **variabilis**, Velenovsky, 1889, p. 40. (= *Thinnfeldia variabilis*, Velenovsky, 1885.) Perucér Beds ; Bohemia.
- **virginiensis**, Fontaine, 1889, p. 150, pl. cxxxviii, fig. 13 ; pl. cxxxix, fig. 1. Potomac Formation ; Virginia, U.S.A.
- ? **sp.**, Fontaine in Diller & Stanton, 1894, p. 450 ; & in Ward, 1905, p. 238, pl. lxv, fig. 40. Shasta Formation ; California, U.S.A.
- Sagittaria Victor-Masoni**, Ward, 1895 a, p. 354, pl. iii, fig. 5. Potomac Formation ; Virginia, U.S.A.
- Salicinium varians**, Hofmann, 1884, p. 191. Danian ; Maestricht.
- Salicnoxylon biradiatum**, Lignier, 1907, p. 272, pl. xviii, figs. 18-24 ; pl. xxiii, figs. 84, 92. Cenomanian ; Hève, France.

- Saliciphyllum californicum**, Fontaine in Ward, 1905, p. 266, pl. lxi, fig. 9. Shasta Formation; California, U.S.A.
- **ellipticum**, Fontaine, 1889, p. 303, pl. cxlvi, figs. 2, 4; pl. cl, fig. 8; pl. clxiii, fig. 5; pl. clxvi, fig. 2. Potomac Formation; Virginia, U.S.A.
- **longifolium**, Fontaine, 1889, p. 302, pl. cl, fig. 12. Ibid.
- **pachyphyllum**, Fontaine in Ward, 1905, p. 265, pl. lxi, fig. 8. Shasta Formation; California, U.S.A.
- **parvifolium**, Fontaine, 1889, p. 303, pl. clxxii, fig. 5. Potomac Formation; Virginia, U.S.A.
- **sp.**, Krasser, 1896, p. 129, pl. xiii, fig. 4. Cenomanian; Kunstadt, Moravia.
- Salicites angustus**, Reuss, 1844, p. 169; & 1846, p. 96, pl. li, figs. 7, 8. (= *Grevillea Reussii*, Ettingshausen, 1851.) Cretaceous; Bohemia.
- **fragiliformis**, Zenker (see Brongniart, 1849 A, p. 111). Quadersandstein; Blankenburg, Saxony.
- **Hartigi**, Dunker, 1856, p. 181, pl. xxxiv, fig. 2. Ibid.
- **Petzeldianus**, Goepfert, 1845, p. 220. Cretaceous; Silesia.
- ? **Wahlbergii** (Nilsson), Brongniart, 1849 A, p. 111. Cretaceous; Scania, Sweden.
- Salisburia Baynesiana**, Dawson, 1883, p. 25, pl. v, figs. 21, 21 a. Upper Cretaceous; Vancouver Island, Canada.
- (**Ginkgo**) **lepida**, Dawson, 1886, p. 8, pl. ii, fig. 2. (= *Ginkgo lepida*, Heer, 1876 c.) Kootanie Formation; British Columbia.
- (**Ginkgo**) **nana**, Dawson, 1886, p. 8, pl. ii, fig. 3. (Re-named *Ginkgo nana*, Knowlton, 1898.) Kootanie Formation; Coal Creek, Canada.
- **polymorpha**, Lesquereux, 1859, p. 362; & 1878 B, p. 84, pl. vii, figs. 40, 41. Montana Formation; Missouri R., U.S.A.
- **primordialis** (spelt **Salisburea**), Heer, 1871, p. 1182; & 1874 A, p. 100, pl. xxvii, figs. 1-3. Atane Beds; Greenland.
- **pusilla**, Dawson, 1894, p. 56, pl. vi, figs. 11-14. (Re-named *Ginkgo pusilla*, Knowlton, 1898.) Upper Cretaceous; Vancouver Island, Canada.
- (**Ginkgo**) **sibirica**, Dawson, 1886, p. 8, pl. ii, fig. 1. (= *Ginkgo sibirica*, Heer, 1876 c.) Kootanie Formation; British Columbia.
- **sp.**, Dawson, 1886, p. 18 (nutlets). Lower Laramie Formation; Canada.
- **sp.**, Dawson, 1886, p. 9, pl. ii, fig. 4. Ibid.
- Salix angusta**, Reuss (non A. Braun), 1844, p. 169. Pläner; Bohemia.
- **assimilis**, Saporta, 1894, p. 231, pl. xxxvi, fig. 8 a; pl. xxxvii, figs. 2-3, 6, 13, 19-20. Upper Albian; Portugal.
- **cretacea**, Velenovsky, 1882 A, p. 213 [nomen nudum]. Cretaceous; Bohemia.
- **cuneata**, Newberry, 1870, p. 21; & 1873, pl. ii, fig. 2 (as *Salix Meekii*); & 1898, p. 55, pl. ii, figs. 1, 2. Dakota Group; Nebraska, U.S.A.

- Salix deleta***, Lesquereux, 1892, p. 49, pl. iii, fig. 8.
Dakota Group; Kansas, U.S.A.
- ***eutawensis***, Berry, 1910 A, p. 93, pl. xxii, figs. 1-11.
Middle Cretaceous; North Carolina, U.S.A.
- ***flexuosa***, Newberry, 1870, p. 21; & 1878, pl. i, fig. 4; & 1898, p. 56, pl. ii, fig. 4; pl. xiii, figs. 3, 4; pl. xiv, fig. 1. (Re-named *S. proteæfolia flexuosa* (Newberry), Lesquereux, 1892.)
Dakota Group; Nebraska, U.S.A.
- ***foliosa***, Newberry, 1898, p. 57, pl. xiii, figs. 5, 6.
Cretaceous; New Mexico.
- ***fragiliformis***, Zenker, 1833, p. 22, pl. iii, fig. H. (= *Myrica fragiliformis*, Engelhardt, 1892 A, = *Dryandroides Zenkeri*, Ettingshausen, 1867 A.)
Quadersandstein; Blankenburg, Saxony.
- ***Goetziana***, Heer, 1871 A, p. 11, pl. iii, figs. 3, 4.
Senonian; Quedlinburg, Saxony.
- ***Hayei***, Lesquereux, 1892, p. 48, pl. iii, fig. 7.
Dakota Group; Kansas, U.S.A.
- ***inæqualis***, Newberry, 1895, p. 67, pl. xvi, figs. 1, 4, 6; pl. xvii, figs. 2-7.
Amboy Clay; New Jersey, U.S.A.
- ***infracretacea***, Saporta, 1894, p. 182, pl. xxxi, fig. 18.
Albian; Portugal.
- ***laramiana***, Dawson, 1887, p. 28, pl. i, fig. 10.
Upper Laramie Formation; Canada.
- ***Lesquereuxii***, Berry, 1909, p. 252 (re-naming *Salix proteæfolia*, et var. Lesquereux, 1868 & 1896).
Raritan Formation; New Jersey, U.S.A.
- ***macrophylla***, Reuss, 1844, p. 169. (= *Proteoides Reussi*, Engelhardt, 1892.)
Cretaceous; Perutz, Bohemia.
- ***mattewanensis***, Berry, 1905 E, p. 68, pl. li, fig. 5.
Matawan Formation; New Jersey, U.S.A.
- ***Meekii***, Newberry, 1870, p. 19; & 1878, pl. i, fig. 3 (as *S. cuneata*); & 1898, p. 58, pl. ii, fig. 3.
Dakota Group; Nebraska, U.S.A.
- ***membranacea***, Newberry, 1870, p. 19; & 1878, pl. i, figs. 5-8 a. (= *S. raritanensis*, Berry, 1909.)
Lower Cretaceous; New Jersey, U.S.A.
- ***nervillosa***, Heer in Capellini & Heer, 1867, p. 15, pl. i, fig. 3.
Dakota Group; Nebraska, U.S.A.
- ***Newberryana***, Hollick in Newberry, 1895, p. 68, pl. xiv, figs. 2-7.
Raritan Formation; New Jersey, U.S.A.
- ***pacifica***, Dawson, 1883, p. 26, pl. vii, fig. 24.
Upper Cretaceous; Vancouver Island, Canada.
- ***perucensis***, Velenovsky, 1887, p. 71, pl. xxviii, figs. 1-3.
Perucer Beds; Bohemia.
- ***proteæfolia***, Lesquereux, 1868, p. 94; & 1874, p. 60, pl. v, figs. 1-3. (Re-named *Salix Lesquereuxii* by Berry, 1909.)
Dakota Group; Nebraska, U.S.A.
- ***proteæfolia flexuosa*** (Newberry), Lesquereux, 1892, p. 50, pl. lxiv, figs. 4, 5. (= *S. flexuosa*, Newberry, 1870.)
Ibid.

- Salix proteæfolia lanceolata**, Lesquereux, 1892, p. 50, pl. lxiv, figs. 6-8. Dakota Group; Kansas, U.S.A.
- **proteæfolia linearifolia**, Lesquereux, 1892, p. 49, pl. lxiv, figs. 1-3. Ibid.
- **proteæfolia longifolia**, Lesquereux, 1892, p. 50, pl. lxiv, fig. 9. (Re-named *Salix Lesquereuxii* by Berry, 1909.) Ibid.
- **pseudo-Hayei** (Newberry), Berry, 1909, p. 251 (naming *Salix sp.*, Newberry, 1896, p. 68, pl. xlii, figs. 6-8.) Raritan Formation; New Jersey, U.S.A.
- **purpuroides**, Hollick, 1894 A, p. 50, pl. clxxiv, fig. 9. Cretaceous; Long Island, U.S.A.
- **raritanensis** (Newberry), Berry, 1909, p. 250 (re-naming *Salix membranacea*, Newberry, 1868.) Raritan Formation; New Jersey, U.S.A.
- **retinenda**, Saporta, 1894, p. 182, pl. xxxi, fig. 19. Albian; Portugal.
- **Schoenæ**, Engelhardt, 1892 A, p. 96, pl. ii, figs. 8, 9. Quader; Freiberg, Saxony.
- **Stantoni**, Knowlton, 1900 A, p. 38, pl. vi, fig. 6. Montana Formation; Utah, U.S.A.
- **Vasseuri**, Marion, 1890, p. 1054 [nomen nudum]. Turonian; Martigues, France.
- ? **Wahlbergii**, Nilsson, 1832, p. 347, pl. i, figs. 5, 6. Greensand; Scania, Sweden.
- **sp.**, Dawson, 1893, p. 57, pl. vii, fig. 22. Upper Cretaceous; Vancouver Island, Canada.
- **sp.**, Hollick, 1893, p. 32, pl. ii, figs. 15, 16. Middle Cretaceous; Staten Island, U.S.A.
- ? **sp.**, Hollick, 1894, p. 63, pl. clxxx, fig. 6. Ibid.
- **sp.**, Knowlton, 1900, p. 39, pl. vii, fig. 2. Montana Formation; Utah, U.S.A.
- **sp.**, Lesquereux, 1892, p. 51, pl. viii, fig. 6 (fruit). Dakota Group; Kansas, U.S.A.
- **sp.**, Roemer, 1889, p. 144, pl. xii, figs. 5-6. Senonian; Silesia.
- Salvertia transylvanica**, Unger, 1865, p. 377, pl. i, fig. 7. Cretaceous; Transylvania.
- Salvinia attenuata**, Lesquereux, 1876 c, p. 377. (= *Marsilea attenuata*, Hollick, 1894 D.) Laramie Formation; Wyoming, U.S.A.
- **elliptica**, Newberry MS. in Hollick, 1894 B, p. 255, pl. ccv, figs. 14, 14 a, 15. Upper Cretaceous (?); Washington, U.S.A.
- Santalum Novæ-Cæsareæ**, Berry, 1906 B, p. 182; & 1906 E, p. 153, pl. xx, fig. 7; pl. xxii, fig. 3. Magothy Formation; New Jersey, U.S.A.
- Sapindophyllum apiculatum**, Velenovsky, 1889, pp. 51, 54, 57. (= *Sapindus apiculatus*, Velenovsky, 1886.)
- **brevior**, Saporta, 1894, p. 205, pl. xxxvii, fig. 11. Upper Albian; Portugal.

- Sapindophyllum coriaceum**, Ettingshausen, 1887 A, p. 187, pl. ix, figs. 22-23. Upper Cretaceous; New Zealand.
- **pelagicum**, Unger in Velenovsky, 1886, p. 7. Cenomanian; Bohemia.
- **subapiculatum**, Saporta, 1894, p. 205, pl. xxxvi, figs. 10-11; pl. xxxvii, figs. 4-5, 10 A, 17. Upper Albian; Portugal.
- Sapindopsis brevifolia**, Fontaine, 1889, p. 300, pl. clvii, fig. 4; pl. clv, figs. 1, 7; pl. clxiii, fig. 3. Potomac Formation; Virginia, U.S.A.
- **cordata**, Fontaine, 1889, p. 296, pl. cxlvii, fig. 1. Ibid.
- **elliptica**, Fontaine, 1889, p. 297, pl. cxlvii, fig. 3. Ibid.
- **magnifolia**, Fontaine, 1889, p. 297, pl. cli, figs. 2, 3; pl. clii, figs. 2, 3; pl. cliii, fig. 2; pl. cliv, figs. 1, 5; pl. clv, fig. 6. Ibid.
- **obtusifolia**, Fontaine, 1889, p. 301, pl. clvi, fig. 13; pl. clix, figs. 3-6. Ibid.
- **oregonensis**, Fontaine, 1905 A, p. 268, pl. lxi, figs. 15-17. (Renamed by Berry, 1910 D, *Nilssonina oregonensis*.) Shasta Formation; Oregon, U.S.A.
- **parvifolia**, Fontaine, 1889, p. 300, pl. cliv, fig. 6. Potomac Formation; Virginia, U.S.A.
- **tenuinervis**, Fontaine, 1889, p. 301, pl. cliii, fig. 1. Ibid.
- **variabilis**, Fontaine, 1889, p. 298, pl. cli, fig. 1; pl. clii, figs. 1, 4; pl. cliii, fig. 3; pl. cliv, figs. 2-4; pl. clv, figs. 2-5. Ibid.
- Sapindus apiculatus**, Velenovsky, 1886, p. 53, pl. xxii, figs. 1-8. (= *Sapindophyllum apiculatum*, Velenovsky, 1889.) Cenomanian; Bohemia.
- **diversifolius**, Lesquereux, 1892, p. 158, pl. lxiv, fig. 18. Dakota Group; Kansas, U.S.A.
- **imperfectus**, Hollick, 1905 C, p. 415, pl. lxxviii, fig. 4. Cretaceous; Long Island, U.S.A.
- **inexpectans**, Knowlton in Stanton & Hatcher, 1905, p. 144, pl. xvii, fig. 7. Judith River Beds; Montana, U.S.A.
- **Morrisoni**, Lesquereux MS. in Heer, 1882, p. 95, pl. xl, fig. 1; pl. xli, figs. 1 A, 1 B; pl. xliii, figs. 1A, 1 B; pl. xlv, figs. 7-8; & in Lesquereux, 1883, p. 83, pl. xvi, figs. 1, 2. Dakota Group; Colorado, U.S.A.
- **prodromus**, Heer, 1871, p. 1184; & 1874 A, p. 117, pl. xxxiv, fig. 5. Atane Beds; Greenland.
- **saxonicus**, Engelhardt, 1892 A, p. 101, pl. ii, fig. 14. Quader; Freiberg, Saxony.
- Sapotacites Haydenii**, Heer in Meek & Hayden, 1859, p. 265. Dakota Group; Nebraska, U.S.A.
- **hyperboreus**, Heer, 1883 A, p. 32, pl. lxi, figs. 7-9. Patoot Beds; Greenland.
- **Knowltoni**, Berry, 1906 B, p. 181, pl. viii, fig. 1. (= *Sapotacites* sp. (?), Lesquereux, 1892.) Magothy Formation; Delaware, U.S.A.
- **nervillosus**, Heer, 1883 A, p. 32, pl. lxi, fig. 11. Patoot Beds; Greenland.

- Sapotacites obovata**, Velenovsky, 1882 A, p. 213; & 1886, p. 50, pl. xviii, fig. 6. (= *Sapotophyllum obovatum*, Velenovsky, 1889.)
Cenomanian; Bohemia.
- **retusus**, Heer (*non* Massalongo), 1883 A, p. 32, pl. lxi, fig. 10.
(= *Liriodendropsis retusa* (Heer), Hollick, 1906 A.)
Patoot Beds; Greenland.
- **Stelzneri**, Engelhardt, 1892 A, p. 98, pl. ii, fig. 12.
Quader; Freiberg, Saxony.
- **sp. ?**, Lesquereux, 1892, p. 114, pl. lxxv, fig. 3.
Dakota Group; Kansas, U.S.A.
- Sapotophyllum obovatum**, Velenovsky, 1889, pp. 50, 54, 58.
(= *Sapotacites obovata*, Velenovsky, 1882 A.)
Cenomanian; Bohemia.
- Sarcostrobus Paulini**, Fliche, 1900, pp. 19–23, pl. i, figs. 2–5.
Lower Cretaceous; Haute-Marne, France.
- Sargassites Lyngbianus** (Brongniart), Sternberg, 1833, p. 36.
(= *Fucoides Lyngbianus*, Brongniart, 1828.) Cretaceous; Arnager.
- **Rosthorni**, Sternberg, 1833, p. 36, pl. xxv, fig. 6,
Lower Cretaceous; Carinthia.
- Sassafras acutilobum**, Lesquereux, 1874, p. 79, pl. xiv, figs. 1, 2.
Dakota Group; Kansas, U.S.A.
- **angustilobum**, Hollick, 1906 A, p. 77, pl. xxix, figs. 1–3.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **arctica**, Heer, 1871, p. 1183; & 1874 A, p. 109, pl. xxxi, figs. 3 a, 3 b.
Atane Beds; Greenland.
- **bilobatum**, Fontaine, 1889, p. 290, pl. clvi, fig. 12; pl. clxiv, fig. 4.
Potomac Formation; Virginia, U.S.A.
- **cretaceum**, Newberry, 1870, p. 14; & 1878, pl. vi, figs. 1–4; & 1898, p. 98, pl. vi, figs. 1–4; pl. vii, figs. 1–3; pl. viii, figs. 1, 2.
Dakota Group; Nebraska, U.S.A.
- **cretaceum dentatum**, Lesquereux, 1876, p. 344; & 1874, pl. xi, figs. 1, 2.
Dakota Group; Kansas, U.S.A.
- **cretaceum grossedentatum**, Lesquereux, 1892, p. 101, pl. li, fig. 5.
Ibid.
- **cretaceum heterolobum**, Fontaine, 1889, p. 289, pl. clii, fig. 5; pl. clix, fig. 8; pl. clxiv, fig. 5.
Potomac Formation; Virginia, U.S.A.
- **cretaceum obtusum**, Lesquereux, 1874, p. 80, pl. xii, fig. 3; pl. xiii, fig. 1.
Dakota Group; Kansas, U.S.A.
- **cretaceum recurvatum** (Lesquereux), Newberry, 1898, p. 99, pl. ix, fig. 2. (= *S. recurvatum*, Lesquereux, 1873.) Ibid.
- (**Araliopsis**) **dissectum**, Lesquereux, 1883, p. 57; & 1892, p. 101, pl. xiv, fig. 1. Ibid.
- (**Araliopsis**) **dissectum symmetricum**, Hollick, 1895, p. 226, pl. ccxxvi. Ibid.
- **harkeriana** (*sic*), Lesquereux, 1873, p. 425; & 1874, p. 81, pl. xi, figs. 3–4; pl. xxvii, fig. 2. Ibid.

- Sassafras hastatum**, Newberry, 1895, p. 88, pl. xxvii, figs. 4-6; pl. xxviii, figs. 1, 2; pl. xl, fig. 4. Amboy Clay; Woodbridge, U.S.A.
- **Krejci**, Velenovsky, 1882 A, p. 213 [nomen nudum].
Cretaceous; Bohemia.
- **Leconteanum**, Lesquereux, 1869, p. 431, pl. xxiii, fig. 1. (= *Persea Leconteana*, Lesquereux, 1874.) Dakota Group; Nebraska, U.S.A.
- (**Araliopsis**) **mirabilis**, Lesquereux, 1873, p. 424; & 1874, p. 80, pl. xii, fig. 1. Dakota Group; Kansas, U.S.A.
- **Mudgii**, Lesquereux, 1868, p. 99; & 1874, p. 78, pl. xiv, figs. 3, 4; pl. xxx, fig. 7. Dakota Group; Nebraska, U.S.A.
- **obtusum**, Lesquereux, 1872, p. 303; & 1874, p. 81, pl. xiii, figs. 2-4. Ibid.
- (**Araliopsis**) **papillosum**, Lesquereux, 1892, p. 102, pl. vi, fig. 7, Dakota Group; Kansas, U.S.A.
- **parvifolium**, Fontaine, 1889, p. 289, pl. cxxxix, fig. 7.
Potomac Formation; Maryland, U.S.A.
- **Paulini**, Fliche, 1900, p. 15, pl. i, figs. 2-5. Neocomian; France.
- **Pfaffiana**, Heer, 1883 A, p. 29, pl. lv, fig. 18.
Patoot Beds; Greenland.
- (**Araliopsis**) **platanooides**, Lesquereux, 1883, p. 58, pl. vii, fig. 1. Dakota Group; Kansas, U.S.A.
- ? **primordiale**, Lesquereux, 1892, p. 100, pl. xvi, fig. 10. Ibid.
- **progenitor**, Newberry MS. (?) in Hollick, 1894 A, p. 53, pl. clxxiv, fig. 1; & Newberry, 1895, p. 88, pl. xxvii, figs. 1-3.
Cretaceous; Long Island, U.S.A.
- **protophyllum**, Saporta, 1894, p. 182, pl. xxxi, fig. 17.
Albian; Portugal.
- (**Araliopsis**) **recurvatum**, Lesquereux, 1873, p. 424. (= *Platanus recurvata*, Lesquereux, 1874, and *S. cretaceum recurvatum* (Lesquereux), Newberry, 1898.) Dakota Group; Kansas, U.S.A.
- (**Araliopsis**) **rotundilobum**, Newberry in Ward, 1895 A, p. 380.
Potomac Formation; Virginia, U.S.A.
- **subintegrifolium**, Lesquereux, 1868, p. 99; & 1874, p. 82, pl. iii, fig. 5. Dakota Group; Nebraska, U.S.A.
- **sp.**, Dawson, 1883, p. 27, pl. vii, figs. 30, 30 a.
Upper Cretaceous; Vancouver Island, Canada.
- Sauruopsis niponensis**, Stopes & Fujii, 1910, pp. 58-62, pl. vii, figs. 42-47; text-fig. 19. Upper Cretaceous; Hokkaido, Japan.
- Schizæopteris mesozoica**, Stopes & Fujii, 1910, pp. 6-10, text-figs. 1-3, pl. ii, phot. 1. Ibid.
- Schizoneuropsis posthuma**, Richter, 1906, p. 13, pl. vi, fig. 10.
Senonian; Quedlinburg, Saxony.
- Sclerophyllina cretosa** (Schenk), Heer, 1874 A, p. 59, pl. xiii, figs. 13, 14; pl. xvii, fig. 12; & p. 124, pl. xxxv, figs. 3-10. (= *Baiera cretosa*, Schenk, 1871 A.) Kome Beds; Greenland.
- **cretosa major**, Heer, 1874 A, p. 124, pl. xxxv, figs. 9-10.
Cretaceous; Spitzbergen.

- Sclerophyllina dichotoma**, Heer, 1868, p. 82, pl. xlv, fig. 6.
Kome Beds; Greenland.
- Scleropteris bellidula**, Heer, 1874 A, p. 35, pl. ii, figs. 17 c, 17 d, 18;
pl. xi, fig. 8. Ibid.
- **callosa**, Schulze, 1888, p. 15 [nomen nudum]. Senonian; Salzberg.
- **debilior**, Saporta, 1894, p. 107, pl. xix, fig. 14.
Neocomian (?); Portugal.
- **dentata**, Fontaine, 1889, p. 153, pl. lxiii, figs. 3, 4.
Potomac Formation; Virginia, U.S.A.
- **distantifolia**, Fontaine in Ward, 1899 B, p. 662, pl. clxii, figs. 2, 3.
Lower Cretaceous; Black Hills, U.S.A.
- **elliptica**, Fontaine, 1889, p. 151, pl. xxviii, figs. 2, 4, 6; pl. xxix,
fig. 1. Potomac Formation; Virginia, U.S.A.
- **elliptica**, var. **longifolia**, Fontaine, 1889, p. 152, pl. xxviii, fig. 7.
Ibid.
- **rotundifolia**, Fontaine in Ward, 1899 B, p. 663, pl. clxii, figs. 4, 5.
Lower Cretaceous; Black Hills, U.S.A.
- **vernonensis**, Ward, 1895 A, p. 349, pl. ii, figs. 1-3.
Potomac Formation; Virginia, U.S.A.
- **virginica**, Fontaine, 1889, p. 152, pl. xxviii, figs. 3, 5. Ibid.
- Sclerotites** sp., Geinitz, 1842, p. 99, pl. xxiv, figs. 1-3.
Cenomanian; Saxony.
- **sp.** (Lx.), Meschinelli, 1895, p. 659. (= *Sclerotium* (?) sp., Les-
quereux.)
- Sclerotium** ? sp., Lesquereux, 1892, p. 23, pl. lix, figs. 4, 4 a.
Dakota Group; Kansas, U.S.A.
- Scolopendrium officinarum dædaleum**, Cotta, 1836, p. 586.
Cenomanian; Niederschoena, Saxony.
- Sedites** (?) **Rabenhorstii**, Geinitz, 1842, p. 97, pl. xxiv, fig. 5.
Pläner; Strehlen, Dresden.
- Selaginella arctica**, Heer, 1882, p. 39, pl. xiii, fig. 5.
Atane Beds; Greenland.
- **dichotoma**, Velenovsky, 1888 B, p. 29, pl. vi, figs. 8-11.
Perucer Beds; Vyserovic, Bohemia.
- ? **falcata**, Lesquereux, 1876 c, p. 365; & 1878 B, p. 48, pl. lxi,
figs. 12-15. Montana Formation; Wyoming, U.S.A.
- **laciniata**, Lesquereux, 1876 c, p. 378; & 1878 B, p. 47, pl. lxiv,
figs. 12, 12 a. Ibid.
- **marylandica**, Fontaine in Ward, 1905, p. 553, pl. cxv, figs. 9, 10.
Older Potomac Formation; Maryland, U.S.A.
- Sequoia acuminata**, Lesquereux, 1876 c, p. 384.
Laramie Formation; Wyoming, U.S.A.
- **acutifolia**, Newberry, 1891, p. 200, pl. xiv, figs. 7, 7 a.
Kootanie Formation; Montana, U.S.A.
- **albertensis**, Penballow, 1908, p. 83, figs. 1-6.
Judith River Series; Alberta, Canada.
- **ambigua**, Heer, 1874 A, p. 78, pl. xxi, figs. 1, 2 a, 3-8, 9 a, 10 a,
b, c, 11. Kome Beds; Greenland.

- Sequoia biformis**, Lesquereux, 1876 c, p. 366; & 1878 B, p. 80, pl. lxii, figs. 15-18. (Re-named *Geinitzia biformis*, Knowlton, 1900 A.)
 Montana Formation; Wyoming, U.S.A.
- **brevifolia**, Heer, 1868, p. 93, pl. ii, fig. 23. Ibid.
 Patoot Beds; Greenland.
- **concinna**, Heer, 1883 A, p. 13, pl. xlix, figs. 8 b, 8 c; pl. l, fig. 1 b; pl. li, figs. 2-10; pl. lii, figs. 1-3; pl. liii, fig. 1 b. Ibid.
 Dakota Group; Kansas, U.S.A.
- **condita**, Lesquereux, 1876 A, p. 391; & 1876 B, p. 335, pl. iv, figs. 5-7. Tertiary.
 Recorded American Cretaceous, Hollick, 1892, p. 30, pl. i, fig. 5.)
- **crispa**, Velenovsky, 1885, p. 22, pl. x, figs. 5-7, 9, 14, 16. Ibid.
 Perucer Beds; Bohemia.
- **cuneata**, Newberry, 1898, p. 18, pl. xiv, figs. 3-4 a. Ibid.
 Upper Cretaceous; Canada.
- **cycadopsis**, Fontaine, 1889, p. 243, pl. cxii, figs. 9-11; pl. cxiii, figs. 1-3. Ibid.
 Potomac Formation; Virginia, U.S.A.
- **delicatula**, Fontaine, 1889, p. 247, pl. cxxi, fig. 3. Ibid.
- **densifolia**, Fontaine, 1889, p. 246, pl. cxxi, fig. 4. Ibid.
- **Fairbanksi**, Fontaine, 1905, p. 178, pl. xlv, figs. 9-11. Ibid.
 Lower Cretaceous; California, U.S.A.
- **fastigiata** (Sternberg), Heer, 1869 A, p. 11, pl. i, figs. 10-13. Ibid.
 (= *Caulerpites fastigiatus*, Sternberg, 1833.)
 Cenomanian; Moletsein, Moravia.
- **formosa**, Lesquereux, 1868, p. 92; & 1874, p. 50, pl. i, fig. 9. Ibid.
 Dakota Group; Nebraska, U.S.A.
- **Goepperti** (Dunker), Schulze, 1888, p. 19 [nomen nudum]. Ibid.
 Senonian; Altenburg.
- **gracilis**, Heer, 1871, p. 1181; & 1874 A, p. 80, pl. xviii, fig. 1 c; pl. xxii, figs. 1-10. Ibid.
 Kome Beds; Greenland.
- **gracilis laxa**, Heer, 1874 A, p. 82, pl. xxii, fig. 10. Ibid.
- **gracillima** (Lx.), Newberry, 1895, p. 50, pl. ix, figs. 1-3. Ibid.
 Amboy Clay; New Jersey, U.S.A.
- **heterophylla**, Velenovsky, 1885, p. 22, pl. xiii, figs. 2-4, 6-9; pl. xiii, fig. 12. Ibid.
 Perucer Beds; Bohemia.
- ? **inferna**, Ward, 1905, p. 507 (naming *Sequoia* sp.?), Fontaine, 1889, p. 248, pl. cxvi, fig. 7; pl. cxxxii, figs. 2, 5, 6). Ibid.
 Lower Potomac Formation; Virginia, U.S.A.
- **intermedia**, Richter, 1904, p. 15, pl. i, fig. 8; & 1905, p. 5, pl. i, fig. 8. Ibid.
 Senonian; Saxony.
- **Langsdorffii** (Brongn.), Heer, 1883 A, p. 15, pl. liii, fig. 8. Ibid.
 Patoot Beds; Greenland.
- **legdensis**, Hosius & von der Marck, 1880, p. 180, pl. xxxvii, fig. 147. Ibid.
 Lower Senonian; Westphalia.
- **lepidota**, Bayer in Fritsch, 1893, p. 129, text-fig. 180; & Bayer, 1893, pp. 8, 37, figs. 6, 7, 8. Ibid.
 Senonian; Priesen, Bohemia.

- Sequoia longifolia**, Lesquereux, 1876 c, p. 365; & 1878 b, p. 79, pl. vii, figs. 14, 14 a; pl. lxi, figs. 28, 29. (Re-named *Geinitzia longifolia*, Knowlton, 1900 A.) Montana Formation; Wyoming, U.S.A.
- **lusitanica**, Heer, 1881, p. 18, pl. xvii, figs. 7 b, c, 7 bb, 9. Cretaceous; Portugal.
- **macrolepis**, Heer, 1883 A, p. 16, pl. li, figs. 1, 12 b. Patoot Beds; Greenland.
- **major**, Velenovsky, 1888 A, p. 594, figs. 4-6 on unnumb. pl. Cenomanian; Bohemia.
- **microcarpa**, Velenovsky, 1885, p. 24, pl. x, figs. 2, 3. Ibid.
- **minor**, Velenovsky, 1887 A, p. 638, figs. 11, 12 on plate. Ibid.
- **moravica**, Krasser & Kubart, 1906 b, p. 46 [nomen nudum]. Cenomanian; Moletain, Moravia.
- **oblonga**, Marik, 1901, p. 8, pl. i, fig. 21. Cenomanian; Bohemia.
- **pectinata**, Heer, 1871 A, p. 8, pl. i, fig. 8. Senonian; Quedlinburg, Saxony.
- **pogiophylloides**, Fontaine, 1894, p. 276, pl. xlii, figs. 1-3 a. Trinity Division; Texas, U.S.A.
- **Reichenbachi** (Geinitz), Heer, 1868, p. 83, pl. xliii, figs. 1 d, 2 f, 5 a, 5 d, 5 dd, 8, 8 b; & Geinitz, 1875 A, p. 306, pl. lxvii, fig. 6. (= *Araucarites Reichenbachi*, Geinitz, 1842, = *Geinitzia Reichenbachi*, Hollick & Jeffrey, 1909.) Kome Beds; Greenland.
- **Reichenbachi longifolia**, Fontaine, 1889, p. 244, pl. cxvii, fig. 8. Potomac Formation; Virginia, U.S.A.
- **Reichenbachi Rabenhorsti** (Geinitz), Heer, 1871, p. 1181 [nomen nudum]. Kome Beds; Greenland.
- **rigida**, Heer, 1871, p. 1182; & 1874 A, p. 80, pl. xxii, figs. 5 g, 11 a; pl. xxv, fig. 6. Atane Beds & Kome Beds; Greenland.
- **Smittiana**, Heer, 1871, p. 1181; & 1874 A, p. 82, pl. xii, fig. 10 b; pl. xvii, figs. 3, 4; pl. xviii, fig. 1 b; pl. xx, figs. 5 b, 7 c; pl. xxiii, figs. 1-6. Ibid.
- **subulata**, Heer, 1871, p. 1182; & 1874 A, p. 102, pl. xxvii, figs. 3 b, 7, 8 b, 15 a; pl. xxviii, figs. 3-6; pl. xxix, figs. 2 c, 7 b; pl. xxxiv, fig. 1 a. Atane Beds; Greenland.
- **subulata lusitanica**, Saporta, 1894, p. 177, pl. xxxiii, figs. 7-12. Albian; Portugal.
- **Winchellii**, Lesquereux in Winchell, 1885, p. 76; & Lesquereux, 1895, p. 10, pl. A, fig. 1. Dakota Group; Minnesota, U.S.A.
- **Woodwardii** (Carr.), Schimper, 1872, p. 316. (= *Sequoiites Woodwardii*, Carruthers, 1866 b.) Upper Greensand; Dorset.
- **sp.**, Fontaine, 1889, p. 247, pl. cxx, fig. 9. Potomac Formation; Virginia, U.S.A.
- **sp.**, Fontaine in Ward, 1899 b, p. 676, pl. clxvi, figs. 3, 4. Lowest Cretaceous; Wyoming, U.S.A.
- **sp.**, Fontaine, 1889, p. 248, pl. cxvi, fig. 7; pl. cxxxii, figs. 2, 5, 6. (= *Sequoia? inferna*, Ward, 1905.) Potomac Formation; Virginia, U.S.A.

- Sequoia** sp., Hollick, 1905 c, p. 410, pl. lxxii, fig. 2.
Middle Cretaceous; Long Island, U.S.A.
- sp., Hollick, 1906 a, p. 44, pl. ii, fig. 42 (cone).¹
Middle Cretaceous; Martha's Vineyard, U.S.A.
- sp.?, Knowlton in Stanton & Hatcher, 1905, p. 131, pl. xiv, fig. 2
(cone). Judith River Beds; Alberta, Canada.
- sp.?, Newberry, 1895, p. 49, pl. ix, figs. 4, 4 a.
Amboy Clay; New Jersey, U.S.A.
- Sequoiites Gardneri**, Carruthers, 1869, p. 7, pl. i, figs. 7, 8.
Gault; Folkestone.
- **Holsti**, Nathorst in Conwentz, 1892, p. 28, pl. iii, figs. 4-5: pl. iv,
figs. 1-4; pl. viii, figs. 2-7. Senonian; Sweden.
- **ovalis**, Carruthers, 1871, p. 541, text-fig. Gault; Folkestone.
- **polyanthes**, Marik, 1901, p. 9, pl. ii, fig. 1.
Cenomanian; Bohemia.
- **Woodwardii**, Carruthers, 1866 b, p. 544, pl. xxi, figs. 11-16.
Upper Greensand; Blackdown.
- Sequoiopsis speciosa**, Richter, 1899 b, p. 44.
Senonian: Quedlinburg, Saxony.
- Serenopsis Kempii**, Hollick, 1893 b, p. 169, pl. cxlix. (= *Nelumbo*
Kempii, Hollick, 1905 c.) Formation (?); Long Island, U.S.A.
- Sillimania texana**, Unger, 1850 a, p. 524: & in Roemer, 1852, p. 95.
Cretaceous (?); Texas, U.S.A.
- Simaba ? saxonica**, Engelhardt, 1892 a, p. 102, pl. ii, fig. 6.
Quader; Freiberg, Saxony.
- Smilax grandifolia-cretacea**, Lesquereux, 1892, p. 40, pl. xlvi, fig. 3.
Dakota Group; Kansas, U.S.A.
- **panartia**, Bayer, 1896, pp. 8, 32, fig. 5.
Upper Senonian; Kieslingswalda, Bohemia.
- **raritanensis**, Berry, 1909, p. 248. Raritan Formation; U.S.A.
- **undulata**, Lesquereux, 1892, p. 39, pl. xlvi, fig. 2.
Dakota Group; Kansas, U.S.A.
- Solenostelopteris japonica**, Kershaw, 1910, p. 689, pl. lviii & text-
fig. Upper Cretaceous; Hokkaido, Japan.
- Sparganium cretaceum**, Heer, 1874 a, p. 105, pl. xxviii, fig. 12.
Atane Beds; Greenland.
- Spathites** sp., Knowlton, 1897, p. 140.
Montana Formation; Wyoming, U.S.A.
- Sphaeria cretacea**, Heer, 1883 a, p. 1, pl. lx, fig. 2. (= *Sphaerites*
cretaceus, Meschinelli, 1892.) Patoot Beds; Greenland.
- **lapidea**, Lesquereux, 1873, p. 373. (= *Sphaerites lapideus*, Meschi-
nelli, 1892, & *Rosellinites lapideus*, Knowlton, 1898.)
Laramie Formation; New Mexico, U.S.A.
- **myrica**, Lesquereux, 1873, p. 390. (= *Sphaerites myrica*, Meschi-
nelli, 1892.) Laramie Formation; Wyoming, U.S.A.
- **phyllostichoides**, Saporta, 1894, p. 156, pl. xxviii, fig. 1.
Albian; Portugal.

- Sphæria problematica**, Knowlton in Lesquereux, 1892, p. 23, pl. xxi, figs. 2, 2 a. (= *Sphærites problematicus*, Meschinelli, 1895.)
Dakota Group; Kansas, U.S.A.
- **rhytismoides**, Lesquereux, 1876 A, p. 382.
Laramie Formation; Wyoming, U.S.A.
- Sphærites cretaceus** (Heer), Meschinelli, 1892, p. 753. (= *Sphæria cretacea*, Heer, 1883 A.) Patoot Beds; Greenland.
- **lapideus** (Lesquereux), Meschinelli, 1892, p. 766. (= *Sphæria lapidea*, Lesquereux, 1873.)
- **myrica** (Lesquereux), Meschinelli, 1892, p. 759. (= *Sphæria myrica*, Lesquereux, 1873.) Laramie Formation; Wyoming, U.S.A.
- **primævus**, Goeppert, 1836, p. 87 [nomen nudum].
- **problematicus**, Meschinelli, 1895, p. 657. (= *Sphæria problematica*, Knowlton, 1892.) Dakota Group; Kansas, U.S.A.
- **solitarius**, Debey & Ettingshausen, 1859 A, p. 213, pl. iii, figs. 4 e-g. Senonian; Aix, Rhenish Prussia.
- Sphærococcites centralis**, Goeppert, 1851, p. 46; & 1854, p. 229, pl. iii. Quader; Westphalia.
- **cornutus**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **Laubei**, Engelhardt, 1892, p. 91, pl. i, fig. 1.
Perucur Beds; Bohemia.
- **lesinensis**, Unger, 1869, p. 56, pl. v, fig. 1.
Cretaceous; Dalmatia.
- **lichenoides**, Goeppert, 1865, p. 642 [nomen nudum].
Quader; Germany.
- **Mantelli**, Roemer, 1841, p. 1, pl. i, fig. 2. (= *Rhodomenites Mantelli*, Debey, = *Chondrites Mantelli*, Geinitz, 1850 A.)
Pläner; Saxony.
- **Meyrati**, Fischer-Ooster, 1858, p. 56, pl. iv, fig. 4.
Neocomian; Switzerland.
- **Mohli**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **pinnatifidus**, Unger, 1850 A, p. 27; & 1853, p. 80, pl. xxiv, fig. 7.
Cretaceous; Bavaria.
- **strictus**, Agardh MS. in Brongniart, 1828, p. 52. (= *Rhodomelites strictus*, Sternberg.) Cretaceous; La Rochelle, France.
- **striolatus**, Presl in Sternberg, 1825, p. 105, pl. xxvii, fig. 3; pl. lxxv, figs. 32, 33. Tertiary. (Recorded Otto, 1852 ?, p. 14, pl. iv, fig. 1.)
Lower Quader; Dippoldiswalde
- Sphenaspis statenensis**, Hollick & Jeffrey, 1909, p. 51, pl. x, figs. 22, 23; pl. xxvi, figs. 2-4. Raritan Formation; Staten Island, U.S.A.
- Sphenolepidium debile**, Heer, 1881, p. 20, pl. iii, figs. 20, 21, 20 b.
Cretaceous; Portugal.
- **dentifolium**, Fontaine, 1889, p. 258, pl. cxxvii, figs. 3, 4; pl. cxxviii, figs. 2-6; pl. cxxix, fig. 5; pl. cxxx, figs. 4-6, 10
Potomac Formation; Virginia, U.S.A.

- Sphenolepidium Kurrianum** (Dunker), Heer, 1881, p. 19, pl. xiii, figs. 1 b, 8 b; pl. xviii, figs. 1-8. (= *Thuites Kurrianus*, Dunker, 1846.) Cretaceous; Almagem, Portugal.
- **pachyphyllum**, Fontaine, 1889, p. 259, pl. cxxxi, figs. 6, 7. Potomac Formation; Virginia, U.S.A.
- **parceramosum**, Fontaine, 1889, p. 257, pl. cxxix, fig. 7; pl. cxxx, fig. 8; pl. cxxvi, fig. 2. Ibid.
- **recurvifolium**, Fontaine, 1889, p. 258, pl. cxxvii, fig. 2; pl. cxxx, figs. 2, 7. Ibid.
- **Sternbergianum** (Dunker), Heer, 1881, p. 19, pl. xiii, figs. 2-8, 1 a; pl. xiv. (= *Sphenolepis Sternbergiana* (Dunker), Schenk, 1871.) Lower Cretaceous; Portugal.
- **Sternbergianum**, var. **densifolium**, Fontaine, 1889, p. 261, pl. cxviii, fig. 7; pl. cxxi, figs. 5, 7, 9; pl. cxxv, fig. 2; pl. cxxix, fig. 3; pl. cxxx, fig. 1; pl. cxxxi, figs. 1-3; pl. cxxxii, fig. 4. Potomac Formation; Virginia, U.S.A.
- **virginicum**, Fontaine, 1889, p. 259, pl. cxxv, fig. 4; pl. clxvi, fig. 6. Ibid.
- **sp.**, Dawson, 1893, p. 90, text-fig. 13. Kootanie Formation; North-West Territory, Canada.
- Sphenolepis Kurriana**, Schenk, 1871 b, p. 243, pl. xxxvii, figs. 5-8; pl. xxxviii, fig. 1. (= *Sphenolepidium Kurrianum* (Dunker), Heer, 1881.) Wernsdorfer Beds; Carpathians.
- **Sternbergiana** (Dunker), Schenk, 1871 b, p. 243, pl. xxxvii, figs. 3, 4; pl. xxxviii, figs. 3-13. (= *Sphenolepidium Sternbergianum* (Dunker), Heer, 1881.) Wealden; Germany.
- Sphenopteridium tenerum**, Marik, 1901, p. 7, pl. i, fig. 17. Cenomanian; Bohemia.
- Sphenopteris acrodentata**, Fontaine, 1889, p. 90, pl. xxxiv, fig. 4. Potomac Formation; Virginia, U.S.A.
- **acutidens**, Saporta, 1894, p. 126, pl. xxiii, fig. 4. Urgonian; Portugal.
- **aneimiæformis**, Saporta, 1894, p. 128, pl. xxiii, fig. 3 a. Ibid.
- **angustiloba**, Heer, 1881, p. 14, pl. xvi, figs. 1, 2, 3. Cretaceous; Portugal.
- **asplenifolia**, Feistmantel, 1874, p. 267. Perucur Beds; Bohemia.
- **capillaris**, Saporta, 1894, p. 74, pl. xvii, figs. 19-21. Valanginian; Portugal.
- **cercalensis**, Saporta, 1894, p. 126, pl. xxiv, figs. 4-6; pl. xxv, fig. 20. Urgonian; Portugal.
- **Choffatiana infracretacica**, Saporta, 1894, p. 67, pl. xvii, figs. 11-13. Neocomian; Portugal.
- **corrugata**, Newberry, 1870, p. 10; & 1878, pl. ii, fig. 6. Dakota Group; Nebraska, U.S.A.
- **crenularis** Saporta 1894, p. 160, pl. xxix, fig. 13; pl. xxx, fig. 12. Albian; Portugal.

- Sphenopteris cuneifida**, Saporta in Choffat, 1889, p. 200; & Saporta, 1894, p. 69, pl. xvi, fig. 11, & p. 127, pl. xxiii, fig. 5.
Valanginian & Urgonian; Portugal.
- **debiliformis**, Saporta, 1894, p. 67, pl. xviii, fig. 15.
Neocomian; Portugal.
- **debiliior**, Saporta, 1894, p. 161, pl. xxviii, fig. 5. Albian; Portugal.
- **debilis**, Heer (*non* (Sternberg), Unger), 1871, p. 1181 [nomen nudum].
Kome Beds; Greenland.
- **dissectiformis**, Saporta, 1894, p. 68, pl. xv, fig. 18; pl. xvi, figs. 22-23.
Valanginian; Portugal.
- **Drygalskii**, Engelhardt in Vanhöffen, 1897, pp. 363, 371, text-fig. 27.
Kome Beds; Greenland.
- **elongata**, Newberry, 1863, p. 511.
Laramie Formation (?); Washington, U.S.A.
- **flabellina**, Saporta, 1894, p. 160, pl. xxviii, figs. 3, 6; pl. xxix, fig. 16.
Albian; Portugal.
- **flabellinervia**, Saporta, 1894, p. 70, pl. xv, fig. 20.
Valanginian; Portugal.
- **flabellisecta**, Saporta, 1894, p. 69, pl. xv, figs. 14-15. Ibid.
- **fragilis**, Heer (*non* (Schlotheim), Brongniart), 1874 A, p. 34, pl. ii, figs. 20, 20 b.
Kome Beds; Greenland.
- **ginkgoides**, Saporta, 1894, p. 68, pl. xv, fig. 13.
Valanginian; Portugal.
- **Goepperti**, Dunker. Recorded Saporta, 1894, p. 157.
Albian; Portugal.
- **gomesiana**, Heer, 1881, p. 13, pl. xi, fig. 7. Cretaceous; Portugal.
- **grevillioides**, Heer, 1874 A, p. 34, pl. xi, figs. 10, 11. (= *Thyrsopteris grevillioides*, Hollick, 1906 A.)
Kome Beds; Greenland.
- **hyperborea**, Heer, 1874 A, p. 123, pl. xxviii, figs. 1 b, 2 b, 9 b, c.
Cretaceous; Spitzbergen.
- **involvens**, Saporta, 1894, p. 159, pl. xxviii, fig. 10; pl. xxiv, figs. 2-5, 7; pl. xxv, figs. 10-11; pl. xxxi, figs. 3, 5; pl. xxxv, fig. 6.
Albian; Portugal.
- **Johnstrupi**, Heer, 1868, p. 78, pl. xliii, figs. 7, 7 b. (= *Asplenium Johnstrupi*, Heer, 1874 A.)
Kome Beds; Greenland.
- **latiloba**, Fontaine, 1889, p. 90, pl. xxxv, figs. 3-5; pl. xxxvi, figs. 4-9; pl. xxxvii, fig. 1. Potomac Formation; Virginia, U.S.A.
- (*Asplenium*) **lepida**, Heer, 1871, p. 1180 (= *Jeanpaulia lepida*, Heer, 1874 A.)
Kome Beds; Greenland.
- **lesinensis**, Kerner, 1896, p. 37, pl. i, figs. 1-5; pl. v, fig. 9.
Cenomanian; Lesina, Dalmatia.
- **linearisecta**, Saporta, 1894, p. 125, pl. xxiii, figs. 10, 11; pl. xxv, fig. 19.
Urgonian; Portugal.
- **lobulifera**, Saporta, 1894, p. 71, pl. xv, fig. 16; & p. 124, pl. xxiii, figs. 6-7.
Valanginian & Urgonian; Portugal.
- **longifolia**, Feistmantel (*non* Dunker), 1874, p. 267.
Perucr Beds; Bohemia.

- Sphenopteris lupulina**, Heer, 1881, p. 15, pl. xi, figs. 8, 8*b-c*.
Cretaceous; Portugal.
- **Mantelli**, Brongniart, 1828, p. 170, pl. xlv, figs. 3-7. (= *Onychiopsis Mantelli* (Brongniart), Seward, 1894, = *Hymenopteris psilotoides*, Stokes & Webb, 1824.)
Hastings Sands; Sussex.
- **Morrisiana**, Johnston, 1896, p. 58, figs. 14, 15.
Cretaceous (?); Tasmania.
- **Nordenskiöldi**, Heer, 1871, p. 1181 [nomen nudum].
Kome Beds; Greenland.
- **pachyphylla**, Fontaine, 1889, p. 93, pl. 1, fig. 5.
Potomac Formation; Virginia, U.S.A.
- **Pichleri**, Schenk, 1876, p. 166, pl. xxix, figs. 2-5.
Upper Cretaceous; Tyrol.
- **plurinerva**, Heer, 1881, p. 13, pl. xi, figs. 6 & 6*b*; pl. xv, figs. 8, 8*b-c*.
Aptian-Neocomian; Portugal.
- **polyclada**, Saporta, 1894, p. 127, pl. xxiii, fig. 12.
Urgonian; Portugal.
- **pseudo-Cordai**, Saporta, 1894, p. 163, pl. xxviii, fig. 11; pl. xxx, figs. 3-8; pl. xxxiii, fig. 4*a*.
Albian; Portugal.
- **pseudolepida**, Saporta, 1894, p. 73, pl. xv, fig. 32.
Valanginian; Portugal.
- **pygmæa**, Saporta, 1894, p. 127, pl. xxiv, fig. 7*a*.
Urgonian; Portugal.
- **recurrens**, Saporta, 1894, p. 162, pl. xxix, fig. 15.
Albian; Portugal.
- **spatulata**, Fontaine, 1889, p. 93, pl. 1, fig. 4.
Potomac Formation; Virginia, U.S.A.
- **subadnata**, Feistmantel, 1874, p. 267. Perucér Beds; Bohemia.
- **subtilinervis**, Saporta, 1894, p. 19, pl. iii, fig. 32; pl. xiv, figs. 12, 17; p. 68, pl. xv, fig. 22; pl. xvi, fig. 4. Valanginian; Portugal.
- **tasmanica**, Johnston, 1896, p. 60, figs. 10-13.
Cretaceous (?); Tasmania.
- **tenuicula**, Yokoyama, 1894, p. 217, pl. xx, fig. 11; pl. xxi, figs. 2, 2*a*; pl. xxviii, fig. 6.
Neocomian; Japan.
- **tenuifissa**, Saporta, 1894, p. 161, pl. xxviii, fig. 4.
Albian; Portugal.
- **thrysopteroides**, Fontaine, 1889, p. 89, pl. xxv, fig. 3; pl. lviii, fig. 5.
Potomac Formation; Virginia, U.S.A.
- **valdensis**, Heer, 1881, p. 14, pl. xv, figs. 9-14; pl. xvi, fig. 5*b*.
Lower Cretaceous; Portugal.
- Sphenozamites sp.**, Dawson, 1886, p. 7.
Kootanie Formation; Martin Creek, Canada.
- Spiropteris sp.**, Nathorst, 1891, p. 34, pl. i, figs. 15-17.
Upper Cretaceous (?); Königs-Wusterhausen.
- Spongia Saxonica**, Geinitz, 1850 A, p. 264. (= *Spongites Saxonicus*, Geinitz, 1842.)
- Spongites Saxonicus**, Geinitz, 1842, p. 96, pl. xxiii, figs. 1, 2.
Quadersandstein; Saxony.

- Steinhauera globosa*, } Presl in Sternberg, 1838, p. 202.
 — *minuta*, } Perucur Beds; Bohemia.
 — *oblonga*, }
- Stenopteris? cretacea*, Hollick, 1902, p. 148, pl. iii, fig. 2.
 Laramie Formation; Colorado, U.S.A.
- *virginica*, Fontaine, 1889, p. 112, pl. xxi, fig. 8.
 Potomac Formation; Virginia, U.S.A.
- Sterculia aperta*, Lesquereux, 1883, p. 82, pl. x, figs. 2-3.
 Dakota Group; Kansas, U.S.A.
- *cliffwoodensis*, Berry, 1905 E, p. 88, pl. xliii, fig. 5.
 Matawan Formation; Cliffwood, U.S.A.
- *Drakei*, Cummins, 1892, p. 210, text-fig. 8.
 Dakota Group; New Mexico, U.S.A.
- *elegans*, Fontaine, 1889, p. 314, pl. clvii, fig. 2; pl. clviii, figs. 2, 3.
 Potomac Formation; Virginia, U.S.A.
- *Geinitzi*, Engelhardt, 1892 A, p. 101, pl. ii, figs. 3, 4, 7.
 Quader; Freiberg, Saxony.
- *Krejci*, Velenovsky, 1883, p. 47, pl. xiii, fig. 1.
 Cenomanian; Bohemia.
- *Labrusca*, Unger, 1851, p. 175, pl. xlix, figs. 1-11. Eocene; Stotzka.
 (Recorded American Cretaceous, Hollick, 1896.)
- *limbata*, Velenovsky, 1883, p. 46, pl. xiii, figs. 2-5; pl. xiv, fig. 1.
 Cenomanian; Bohemia.
- *lineariloba*, Lesquereux, 1876 B, p. 358.
 Dakota Group; Kansas, U.S.A.
- *lugubris*, Lesquereux, 1883, p. 81, pl. vi, figs. 1-3.
 Dakota Group (?); Colorado, U.S.A.
- *minima*, Berry, 1906 B, p. 177.
 Magothy Formation; New Jersey, U.S.A.
- *mucronata*, Lesquereux, 1892, p. 182, pl. xxx, figs. 1-4.
 Dakota Group; Kansas, U.S.A.
- *obtusiloba*, Lesquereux, 1883, p. 82, pl. viii, fig. 3. (Re-named
Aralia tripartita (Lx.), Knowlton, 1898.) Ibid.
- *pre-labrusca*, Hollick, 1906 A, p. 24, pl. xxxiv, figs. 21, 22.
 Middle Cretaceous; Martha's Vineyard, U.S.A.
- *reticulata*, Lesquereux, 1892, p. 185, pl. xxxiv, fig. 10.
 Dakota Group; Kansas, U.S.A.
- *Snowii*, Lesquereux, 1892, p. 183, pl. xxx, fig. 5; pl. xxxi, figs. 2, 3;
 pl. xxxii; pl. xxxiii, figs. 1-4. Ibid.
- *Snowii bilobata*, Berry, 1905 E, p. 89, pl. xliii, fig. 7.
 Matawan Formation; New Jersey, U.S.A.
- *Snowii disjuncta*, Lesquereux, 1892, p. 184, pl. lviii, fig. 6.
 Dakota Group; Kansas, U.S.A.
- *tripartita* (Lx.), Knowlton, 1898, p. 224. (= *Sterculia obtusiloba*,
 Lx., 1883, & *Aralia tripartita*, Lx., 1876.) Ibid.
- *variabilis*, Saporta, 1868, p. 400, pl. xii, figs. 6, 7; Heer, 1883 A,
 p. 38, pl. lvii, fig. 7. Patoot Beds; Greenland.

- Sterculia vetustula**, Dawson, 1886, p. 10, pl. iii, fig. 2.
Middle Cretaceous; Canada.
- **sp. ?**, Hollick, 1898 D, p. 133, pl. xiv, figs. 4-7.
Upper Cretaceous; New Jersey, U.S.A.
- **sp. ?**, Hollick, 1898 B, p. 422, pl. xxxvii, fig. 5.
Middle Cretaceous; Staten Island, U.S.A.
- **sp. ?**, Hollick, 1906 A, p. 95, pl. xxxiv, figs. 18, 19.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- Stichus mermisoides**, Etheridge, 1904, p. 255, pls. xxx, xxxi.
Cretaceous; Australia.
- Stigmaria flexuosa**, Debey, 1848 A, p. 117 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- Strezeleckia gangamopteroides**, Johnston, 1896, p. 58, figs. 5-7.
Cretaceous (?); Tasmania.
- **tenuifolia**, Johnston, 1896, p. 58, fig. 8. Ibid.
- Strobilites Bucklandi**, Lindley & Hutton, 1835, pl. cxxix; Gardner, 1886 A, p. 200. Upper Greensand (?); Wiltshire.
- **Davisii**, Hollick & Jeffrey, 1909, p. 68, pl. iii, fig. 10.
Raritan Formation; Staten Island, U.S.A.
- **inquirendus**, Hollick, 1898 A, p. 130, pl. xi, fig. 1.
Upper Cretaceous; New Jersey, U.S.A.
- **microsporophorus**, Hollick & Jeffrey, 1909, p. 66, pl. x, figs. 18-21; pl. xxiv, figs. 2-6. Raritan Formation; Staten Island, U.S.A.
- **perplexus**, Hollick, 1906 A, p. 107, pl. ii, fig. 43.
Middle Cretaceous; Martha's Vineyard, U.S.A.
- **sp.**, Hollick & Jeffrey, 1909, p. 69, pl. iii, fig. 9.
Raritan Formation; Staten Island, U.S.A.
- Sycophyllum dentatum**, Schulze, 1888, p. 464.
Perucer Beds; Bohemia.
- Symphorocarpophyllum Albertum**, Dawson, 1887, p. 30, pl. ii, fig. 17. Upper Laramie Formation; Canada.
- **Linnæiforme**, Dawson, 1887, p. 30, pl. ii, fig. 18. Ibid.
- Syringodendron ? sp.**, Otto, 1854, p. 26, pl. iv, figs. 3, 4.
Lower Quader; Dippoldiswalde, Saxony.
- Tænidium alysioides**, Hosius & von der Marek, 1880, p. 131, pl. xxiv, fig. 5. Upper Senonian; Westphalia.
- **lusitanicum**, Heer, 1881, p. 12, pl. xx. (= *Volubilites lusitanicus*, Lorenz, 1901.) Cretaceous; Portugal.
- **pinnatisectum**, Saporta, 1880, p. 642, pl. i, fig. 2.
Upper Neocomian; Havre, France.
- Tæniopteris arctica** (spelt **Tanæopteris**), Heer, 1871, p. 1181 [nomen nudum]. Kome Beds; Greenland.
- **auriculatum** (Fontaine), Berry, 1910 D, p. 634. (= *Angiopteridium auriculatum*, Fontaine, 1889.) Patuxent Formation; Virginia, U.S.A.
- **deperdita**, Heer, 1883 A, p. 8, pl. xlviii, fig. 14.
Patoot Beds; Greenland.

- Tæniopteris Gibbsii**, Newberry, 1863, p. 512. (= *Nilssonia Gibbsii*, Hollick in Newberry, 1898.) Cretaceous (?); Washington, U.S.A.
 — **kuchelbadensis**, Feistmantel, 1874, p. 269.
 Peruczer Beds; Bohemia.
- **nervosum** (Fontaine), Berry, 1910 p, p. 634. (= *Angiopteridium nervosum*, and others, Fontaine, 1889).
 Patuxent Formation; Virginia, U.S.A.
- **orovillensis**, Fontaine in Penhallow, 1902 B, p. 37.
 Upper Cretaceous; Vancouver Island.
- **plumosa**, Dawson, 1883, p. 24, pl. iv, fig. 15.
 Upper Cretaceous; Vancouver Island.
- **sp.**, Heer, 1878, p. 30, pl. viii, fig. 19. Lower Cretaceous (?); Siberia.
- Tænioxylon varians**, Felix (*cretaceum*), Vater, 1884, p. 852.
 Lower Senonian; Harzburg.
- Taonurus incertus**, Dawson, 1886, p. 10.
 Kootanie Formation; British Columbia, Canada.
- **Saportai**, Dewalque, 1880, p. 43, pl. i, figs. 1 a, 1 b, 2 a, 2 b.
 Senonian; Anzin, France.
- **tenuestriatus**, Heer, 1877, p. 145, pl. lvii, figs. 7-10.
 Upper Cretaceous; Switzerland.
- Taxites pecten**, Heer, 1883 A, p. 9, pl. liii, figs. 9, 9 b.
 Patoot Beds; Greenland.
- Taxodium** (*Glyptostrobus*) **brookense**, Fontaine, 1889, p. 254, pl. cxxii, fig. 1; pl. cxxiv, figs. 3-9; pl. cxxxi, fig. 5; pl. clxv, figs. 1-3; pl. clxvi, figs. 4, 7; pl. clxvii, fig. 3.
 Potomac Formation; Virginia, U.S.A.
- (*Glyptostrobus*) **brookense**, var. **angustifolium**, Fontaine, 1889, p. 256, pl. clxvii, fig. 1. Ibid.
- **cuneatum**, Newberry, 1863, p. 517.
 Kootanie Formation; British Columbia, Canada.
- (*Glyptostrobus*) **denticulatum**, Fontaine, 1889, p. 253, pl. cxxiv, fig. 1.
 Potomac Formation; Virginia, U.S.A.
- (*Glyptostrobus*) **expansum**, Fontaine, 1889, p. 252, pl. cxxiii, fig. 1. Ibid.
- (*Glyptostrobus*) **fastigiatum**, Fontaine, 1889, p. 253, pl. cxxv, figs. 1, 3. Ibid.
- (*Glyptostrobus*) **ramosum**, Fontaine, 1889, p. 251, pl. cxxiii, figs. 2, 3; pl. cxxiv, fig. 2; pl. cxxvii, fig. 1; pl. cxxxii, fig. 1; pl. clxvi, fig. 1. Ibid.
- (*Glyptostrobus*) **virginicum**, Fontaine, 1889, p. 252, pl. cxxi, fig. 6. Ibid.
- **sp.**, Dawson, 1894, p. 56, pl. vi, fig. 10.
 Upper Cretaceous; Vancouver Island, Canada.
- Taxo-Torreyia trinervia**, Ettingshausen, 1887 A, p. 176, pl. vii, figs. 16, 16 a.
 Upper Cretaceous; New Zealand.
- Taxoxylon cretaceum**, Unger, 1859, p. 231, pl. iii, figs. 12-14.
 (= *Cedroxylon cretaceum*, Kr. in Schimper, 1870.)
 Quadersandstein; Amberg, Germany.

- Taxoxylon halternianum**, Hosius & von der Marck, 1880, p. 194, pl. xli, figs. 166-168. Lower Senonian; Westphalia.
- Tempskya cretacea**, Hosius & von der Marck, 1880, p. 192, pl. xxxix, figs. 161-163. Ibid.
- **varians** (Corda), Velenovsky, 1888 B, p. 23, pl. vi, figs. 1-7; pl. v, fig. 5, & text-fig. Perucur Beds; Bohemia.
- Terminalia rectinervis**, Velenovsky, 1886, p. 52, pl. xx, figs. 1, 2. (= *Terminaliphyllum rectinerve*, Velenovsky, 1889.) Cenomanian; Kaunic, Bohemia.
- Terminaliphyllum rectinerve**, Velenovsky, 1889. (= *Terminalia rectinervis*, Velenovsky, 1886.)
- Ternstroemia crassipes**, Velenovsky, 1886, p. 54, pl. xviii, figs. 3, 4. (= *Ternstræmiphyllum crassipes*, Velenovsky, 1889.) Cenomanian; Vyserovic, Bohemia.
- Ternstroemiphyllum crassipes**, Velenovsky, 1889. (= *Ternstroemia crassipes*, Velenovsky, 1886.)
- Tetraphyllum dubium**, Hosius & von der Marck, 1880, p. 137, pl. xxv, fig. 14. Upper Senonian; Westphalia.
- **oblongum**, Heer, 1882, p. 105, pl. xxvi, figs. 5 b, 6. Atane Beds; Greenland.
- Thalassocharis Binkhorsti**, Debey, 1865, p. 57. Cretaceous; Prussia.
- **Bosqueti**, Debey, 1851, p. 568; & in Hosius & von der Marck, 1880, p. 146. Senonian; Aix, Rhenish Prussia.
- **Bosqueti, forma brevi-articulata**, Miquel, 1853, p. 51, pl. vi, fig. 2. Cretaceous; Belgium.
- **Bosqueti, forma lata**, Miquel, 1853, p. 51, pl. vi, fig. 3. Upper Senonian; Belgium.
- **Muelleri**, Debey, 1848 A, p. 119; & 1851, p. 568. Senonian; Aix, Rhenish Prussia.
- **westfalica**, Hosius & von der Marck, 1880, p. 147, pl. xxvi, figs. 25-28, 30-34; pl. xxvii, figs. 29, 35-39; pl. xxviii, figs. 40-42. Upper Senonian; Westphalia.
- Thinnfeldia arctica**, Heer, 1874 A, p. 123, pl. xxxv, figs. 11-16; pl. xxxvi, fig. 10 b. Cretaceous; Spitzbergen.
- **Buftoni**, Johnston, 1896, p. 61, fig. 18. Cretaceous (?); Tasmania.
- **Fontainei**, Berry, 1903 D, p. 443 (re-naming *Thinnfeldia variabilis*, Fontaine, 1889). Potomac Formation; Virginia, U.S.A.
- **granulata**, Fontaine, 1889, p. 111, pl. xxvi, figs. 10-12; pl. xxvii, figs. 1-5, 8; pl. clxix, fig. 1. Ibid.
- **lanceolata**, Knowlton in Weed & Knowlton, 1893, p. 49, pl. v, fig. 5. (Re-named *Protophyllocladus lanceolatus*, Berry, 1903 D.) Laramie Formation; Montana, U.S.A.
- **Lesquereuxiana**, Heer, 1882, p. 37, pl. xlv, figs. 9-10; pl. xlv, figs. 1-12. Atane Beds; Greenland.
- **marylandica**, Fontaine in Ward, 1905, p. 541, pl. cxiv, figs. 8, 9. Older Potomac Formation; Maryland, U.S.A.

- Thinnfeldia montana**, Knowlton, 1898, p. 227 (re-naming *Thinnfeldia polymorpha* (Lesquereux), Knowlton, = *Salisburia polymorpha*, Lesquereux). Montana Formation; Coal Banks, U.S.A.
- **montanense**, Fontaine in Weed & Pirsson, 1898, p. 481. Lower Cretaceous; Montana, U.S.A.
- **polymorpha** (Lesquereux), Knowlton in Weed & Knowlton, 1893. (= *T. montana*, Knowlton, re-named *Protophyllocladus polymorphus* by Berry, 1903 D.)
- **polymorpha**, Johnston (*non* Schenk *nec* Knowlton), 1896, p. 62, fig. 16. Cretaceous (?); Tasmania.
- **rotundiloba**, Fontaine, 1889, p. 111, pl. xxvii, figs. 6, 7. Potomac Formation; Virginia, U.S.A.
- **subintegrifolia** (Lx.), Knowlton, 1898, p. 228 (re-naming *Phyllocladus subintegrifolius*, Lesquereux, 1868 & 1874). (= *Protophyllocladus subintegrifolius*, Berry, 1903 D.) Dakota Group; Nebraska, U.S.A.
- **variabilis**, Fontaine (*non* Velenovsky), 1889, p. 110, pl. xvii, figs. 3-7; pl. xviii, figs. 1-6. (= *Thinnfeldia Fontainei*, re-named by Berry, 1903 D.) Potomac Formation; Virginia, U.S.A.
- **variabilis**, Velenovsky, 1885, p. 6, pl. ii, figs. 1-5. (Re-named *Sagenopteris variabilis*, Velenovsky, 1889.) Perucur Beds; Bohemia.
- Thuites alienus**, Sternberg, 1825, p. xxxviii, pl. xlv, fig. 1. Cretaceous; Bohemia.
- **crassus**, Lesquereux, 1883, p. 32. Dakota Group; Kansas, U.S.A.
- **gramineus**, Sternberg, 1825, p. 31, p. xxxviii, pl. xxxv, fig. 4. Perucur Beds; Bohemia.
- **Hoheneggeri**, Ettingshausen, 1852 c, p. 26, pl. i, figs. 6, 7. (= *Frenelopsis Hoheneggeri*, Schenk, 1871 A.) Wernsdorfer Beds (see Krasser, 1896, pp. 146, 147.)
- **Kurrianus**, Dunker, 1846, p. 20, pl. vii, fig. 8. (= *Sphenolepidium Kurrianum* (Dunk.), Heer, 1881.) Wealden; Germany.
- **Meriani**, Heer, 1874 A, p. 73, pl. xvi, figs. 17, 18. Kome Beds; Greenland.
- **Pfaffii**, Heer, 1874 A, p. 100, pl. xxxi, figs. 8 b, c, d, e. Atane Beds; Greenland.
- **Wilkinsoni**, Ettingshausen, 1893, p. 147; & 1895, p. 11, pl. i, figs. 7-9. Cretaceous; Australia.
- **sp.**, Hollick & Jeffrey, 1909, p. 31, pl. viii, figs. 12-18; pl. xxvii, figs. 4-6; pl. xxviii, figs. 1-4. Raritan Formation; Staten Island, U.S.A.
- Thuja cretacea** (Heer), Newberry, 1895, p. 53, pl. x, figs. 1, 1 a. Amboy Clay; New Jersey, U.S.A.
- Thuya sp.**, Cornuel, 1866, p. 673, pl. xii, fig. 23. Neocomian; France.
- **sp.**, Jasche, 1858, p. 97, pl. iv, figs. 8, 9. Cretaceous; Saxony.
- Thuyites debilis**, Saporta, 1894, p. 115, pl. xxii, fig. 6. Aptian; Portugal.
- **densior**, Saporta, 1894, p. 109, pl. xx, fig. 6. Ibid.

- Thuyites pulchelliformis**, Saporta, 1894, p. 109, pl. xix, figs. 21-24;
pl. xx, figs. 7-10; p. 115, pl. xxi, fig. 7. Aptian; Portugal.
- **sp.**, Nathorst, 1891, p. 27, pl. i, figs. 8, 9, 10. Upper Cretaceous (?); Rostock.
- Thuyoxylon americanum**, Unger in Roemer, 1852, p. 95. Cretaceous (?); Texas, U.S.A.
- Thyrsopteris alata**, Fontaine, 1889, p. 124, pl. xxxvi, fig. 5. Potomac Formation; Virginia, U.S.A.
- **angustifolia**, Fontaine, 1889, p. 131, pl. xlv, fig. 4; pl. xlv, fig. 3; pl. xlviii, fig. 2; pl. xlix, figs. 3, 4; pl. lv, fig. 2; pl. lviii, fig. 8. Ibid.
- **angustiloba**, Fontaine, 1889, p. 134, pl. xlviii, figs. 3-5; pl. lv, fig. 3. Ibid.
- **bella**, Fontaine, 1889, p. 139, pl. liii, fig. 5; pl. lv, figs. 6, 7; pl. lvi, figs. 2, 5; pl. lvii, figs. 1, 5; pl. lviii, fig. 4. Ibid.
- **brevifolia**, Fontaine, 1889, p. 121, pl. xxiv, figs. 5, 10. Ibid.
- **brevipennis**, Fontaine, 1889, p. 124, pl. xxxiv, fig. 3; pl. xxxvi, fig. 2; pl. xxxvii, figs. 3, 9; pl. xxxviii, fig. 1; pl. xli, fig. 4. Ibid.
- **capsulifera**, Velenovsky, 1888 n, p. 10, pl. i, figs. 6-12. (= *Onychiopsis capsulifera*, Nathorst, 1890.) Perucur Beds; Bohemia.
- **crassinervis**, Fontaine, 1889, p. 130, pl. xli, figs. 1-3. Potomac Formation; Virginia, U.S.A.
- **crenata**, Fontaine, 1889, p. 127, pl. xxxix, figs. 1, 2. Ibid.
- **decurrens**, Fontaine, 1889, p. 130, pl. xliii, fig. 7; pl. xlv, figs. 2, 4; pl. xlix, figs. 5-7. Ibid.
- **densifolia**, Fontaine, 1889, p. 129, pl. xxxix, fig. 3; pl. xl, figs. 2-5; pl. li, fig. 5. Ibid.
- **dentata**, Fontaine, 1889, p. 121, pl. xxiv, figs. 4, 6, 7, 9; pl. xxv, figs. 1, 2. Ibid.
- **dentifolia**, Fontaine in Ward, 1899 n, p. 660, pl. clxi, figs. 6-9. Lower Cretaceous; Black Hills, U.S.A.
- **distans**, Fontaine, 1889, p. 134, pl. xlvii, fig. 3; pl. liv, fig. 8. Potomac Formation; Virginia, U.S.A.
- **divaricata**, Fontaine, 1889, p. 125, pl. xxxvii, figs. 5-8; pl. clxx, fig. 1. Ibid.
- **elliptica**, Fontaine, 1889, p. 133, pl. xxiv, fig. 3; pl. xlv, fig. 1; pl. l, figs. 6, 9; pl. li, figs. 4, 6, 7; pl. liv, fig. 6; pl. lv, fig. 4; pl. lvi, figs. 6, 7; pl. lvii, fig. 6; pl. lviii, fig. 2. Ibid.
- **grevillioides** (Heer), Hollick, 1906 a, p. 31, pl. i, figs. 10-13. (= *Sphenopteris grevillioides*, Heer, 1874 a.) Middle Cretaceous; Martha's Vineyard, U.S.A.
- **heteroloba**, Fontaine, 1889, p. 139, pl. liii, fig. 4. Potomac Formation; Virginia, U.S.A.
- **heteromorpha**, Fontaine, 1889, p. 136, pl. lii, fig. 1. Ibid.
- **heterophylla**, Fontaine, 1889, p. 142, pl. lviii, fig. 3. Ibid.
- **inæquipinnata**, Fontaine, 1889, p. 142, pl. lvii, figs. 3, 8. Ibid.
- **insignis**, Fontaine, 1889, p. 127, pl. xxxix, fig. 4; pl. xl, fig. 1; pl. xli, fig. 6; pl. xlii, figs. 1, 2, 4; pl. xliii, figs. 1, 3. Ibid.

- Thyrsopteris insignis angustipennis**, Fontaine, 1889, p. 128, pl. xlii, fig. 3; pl. xliii, fig. 2. Potomac Formation; Virginia, U.S.A.
- **Meekiana**, Fontaine, 1889, p. 125, pl. xxxviii, figs. 2-4, 8; pl. 1, figs. 7, 8; pl. li, fig. 3. Potomac Formation; Maryland, U.S.A.
- **Meekiana angustiloba**, Fontaine, 1889, p. 126, pl. xxxviii, figs. 5-7, 9; pl. xliii, fig. 8; pl. xlv, fig. 3; pl. xlvii, fig. 4; pl. xlviii, fig. 1; pl. liv, figs. 2, 11; pl. lv, fig. 1; pl. lvi, figs. 1, 3. Ibid.
- **microloba**, Fontaine, 1889, p. 140, pl. lvii, fig. 4. Potomac Formation; Virginia, U.S.A.
- **microloba alata**, Fontaine, 1889, p. 140, pl. lv, fig. 5; pl. lviii, fig. 1. Ibid.
- **microphylla**, Fontaine, 1889, p. 131, pl. xlv, figs. 1, 2, 4, 5. Ibid.
- **nana**, Fontaine, 1889, p. 141, pl. lvi, figs. 4, 8. Ibid.
- **nervosa**, Fontaine, 1889, p. 122, pl. xxv, figs. 4, 5, 16; pl. xxxvii, figs. 2, 4; pl. xxxix, fig. 5; pl. xl, fig. 6. Ibid.
- **obtusiloba**, Fontaine, 1889, p. 143, pl. lviii, figs. 7, 10. Ibid.
- **pachyphylla**, Fontaine, 1889, p. 135, pl. 1, fig. 3. Ibid.
- **pachyrachis**, Fontaine, 1889, p. 132, pl. xlv, figs. 3, 5; pl. xlvii, figs. 1, 2; pl. xlix, fig. 1. Ibid.
- **pecopteroides**, Fontaine, 1889, p. 135, pl. li, fig. 1. Ibid.
- **pinnatifida**, Fontaine, 1889, p. 136, pl. li, fig. 2; pl. liv, figs. 4, 5, 7; pl. lvii, fig. 7. Ibid.
- **rarinervis**, Fontaine, 1889, p. 123, pl. xxvi, figs. 6, 7; pl. xlii, figs. 4-6; pl. xlv, figs. 1, 2, 5; pl. xlix, fig. 2; pl. clxix, figs. 6, 7. Ibid.
- **retusa**, Fontaine, 1889, p. 144, pl. lix, fig. 10. Ibid.
- **rhombifolia**, Fontaine, 1889, p. 138, pl. lii, fig. 5; pl. liv, fig. 1. Ibid.
- **rhombiloba**, Fontaine, 1889, p. 144, pl. lix, figs. 6, 7; pl. lx, fig. 8. Ibid.
- **sphenopteroides**, Fontaine, 1889, p. 143, pl. lviii, fig. 6. Ibid.
- **squarrosa**, Fontaine, 1889, p. 143, pl. lix, fig. 3. Ibid.
- **varians**, Fontaine, 1889, pl. lii, figs. 2-4; pl. liii, figs. 1-3; pl. liv, fig. 10; pl. lvii, fig. 2. Ibid.
- **virginica**, Fontaine, 1889, p. 120, pl. xxiv, fig. 1. Ibid.
- Tillæphyllum dubium**, Newberry, 1895, p. 109, pl. xv, fig. 5. Amboy Clay; New Jersey, U.S.A.
- Todea ? saportanea**, Lesquereux, 1874, p. 48, pl. xxix, figs. 1-4. (= *Lomatia saportanea*, Lesquereux, 1876 B.) Dakota Group; Kansas, U.S.A.
- Torreya densifolia** (spelt **Torreia**), Dawson, 1888, p. 25, pl. v, figs. 20, 20 a. (Re-named *Tumion densifolium* by Knowlton, 1898.) Upper Cretaceous; Protection Island, Canada.
- **Dicksoniana**, Heer, 1871, p. 1182; & 1874 a, p. 70, pl. xviii, figs. 1 a, 2 a, 3, 4. Kome Beds; Greenland.

- Torрея dicksonioides** (spelt **Torreia**), Dawson, 1883, p. 21, pl. ii, fig. 4. (Re-named *Tumion dicksonioides* by Knowlton, 1898.)
Upper Cretaceous; North-West Territory, Canada.
- **falcata**, Fontaine, 1889, p. 235, pl. cxiii, fig. 4. (Re-named *Tumion falcatum* by Knowlton, 1898.)
Potomac Formation; Virginia, U.S.A.
- **oblanceolata**, Lesquereux, 1883, p. 30, pl. i, fig. 2. (Re-named *Tumion oblanceolatum* by Knowlton, 1898.)
Dakota Group (?); Colorado, U.S.A.
- **parvifolia**, Heer, 1874 A, p. 71, pl. xvii, figs. 1, 2.
Kome Beds; Greenland.
- **venusta**, Yokoyama, 1894, p. 230, pl. xxii, figs. 11, 12, 12 a.
Neocomian; Japan.
- **virginica**, Fontaine, 1889, p. 234, pl. cix, fig. 8. (Re-named *Tumion virginicum* by Knowlton, 1898.)
Potomac Formation; Virginia, U.S.A.
- Trametes Pini**, Conwentz, 1892, pp. 13, 21, pl. vii, fig. 1. (= *Trametes Pini*, Meschinelli, 1892.)
Senonian; Sweden.
- Trametes Pini**, Meschinelli, 1892, p. 747. (= *Trametes Pini*, Conwentz, 1892.)
- Trapa ? cuneata**, Knowlton, 1900 A, p. 64, pl. v, fig. 6.
Montana Formation; Wyoming, U.S.A.
- **? microphylla**, Lesquereux, 1876 c, p. 369; & 1878, p. 295, pl. lxi, figs. 16-17 a.
Ibid.
- Tricalycites major**, Hollick, 1905 c, p. 416, pl. lxxii, figs. 3-7.
Cretaceous; Long Island, U.S.A.
- **papyraceus**, Newberry MS. in Hollick, 1894, p. 63, pl. clxxx, fig. 8; & Newberry, 1895, p. 132, pl. xlvi, figs. 30-38.
Amboy Clay; Woodbridge, U.S.A.
- Tricarpellites striatus**, Newberry, 1895, p. 132, pl. xlvi, figs. 9-13.
Ibid.
- Trichomanes Riccioides**, Heer, 1871, p. 1182 [nomen nudum].
Atane Beds; Greenland.
- Trichopitys sp.**, Nathorst, 1885, p. 286, text-fig. 4.
Ibid.
- **sp. ?**, Kerner, 1896, p. 52, pl. iv, fig. 5.
Cretaceous; Lesina, Dalmatia.
- Trichosporites Conwentzi**, Felix, 1894, p. 273.
Upper Cretaceous; Sweden.
- Triplaris cenomanica**, Engelhardt, 1892 A, p. 96, pl. ii, fig. 5.
Quader; Freiberg, Saxony.
- Triploporella Fraasi**, Steinmann, 1880, p. 136, pl. v, figs. 1-8.
Turonian; Lebanon.
- **Fraasi minor**, Steinmann, 1899, p. 193, text-figs. 38, 39.
Cenomanian; Mexico.
- Tsugites magnus**, Fliche, 1896, p. 211, pl. ix, fig. 2.
Albian; Clermont, France.
- Tumion carolinianum**, Berry, 1908 B, p. 383, text-figs. 1-3.
Middle Cretaceous; North Carolina, U.S.A.

- Tumion densifolium** (Dawson), Knowlton, 1898, p. 234 (re-naming *Torreya densifolia*, Dawson, 1883).
- **dicksonioides** (Dawson), Knowlton, 1898, p. 234 (re-naming *Torreya dicksonioides*, Dawson, 1883).
- **falcatum** (Fontaine), Knowlton, 1898, p. 234 (re-naming *Torreya falcata*, Fontaine, 1889).
- **oblanceolatum** (Lx.), Knowlton, 1898, p. 234 (re-naming *Torreya oblanceolata*, Lesquereux, 1883).
- **virginicum** (Fontaine), Knowlton, 1898, p. 234 (re-naming *Torreya virginica*, Fontaine, 1889).
- Typha?** sp., Hollick, 1894, p. 63, pl. clxxx, fig. 9.
Upper Cretaceous; Long Island, U.S.A.
- **gigantea**, Unger, 1870 A, pl. iii, fig. 6.
(Includes supposed Algae from Quadersandstein.)
- Typhacites lævis**, Saporta, 1890, p. 3, pl. xiii, figs. 5, 5 a.
Uppermost Cretaceous; France.
- **rugosus**, Saporta, 1890, p. 3, pl. xiii, figs. 4, 4 a. Ibid.
- Typhæloipum cretaceum**, Krasser, 1896, p. 127, pl. xii, fig. 4.
Cenomanian; Kunstadt, Moravia.
- Tysonia marylandica**, Fontaine, 1889, p. 193, pls. clxiv-clxxx.
(= *Cycadeoidea marylandica* [Font.], Capellini & Solms-Laubach, 1892.)
Potomac Formation; Maryland, U.S.A.
- Ulmiphyllum Brookense**, Fontaine, 1889, p. 312, pl. clv, fig. 8;
pl. clxiii, fig. 7. Potomac Formation; Virginia, U.S.A.
- **crassinerve**, Fontaine, 1889, p. 313, pl. clviii, figs. 6, 7. Ibid.
- **densinerve**, Fontaine in Ward, 1899 B, p. 689, pl. clxix, fig. 7.
Lower Cretaceous; Black Hills, U.S.A.
- **tenuinerve**, Fontaine, 1889, p. 313, pl. clviii, fig. 1.
Potomac Formation; Virginia, U.S.A.
- Ulmophyllum latifolium**, Ettingshausen, 1887 A, p. 184, pl. ix,
figs. 6-8. Upper Cretaceous; New Zealand.
- **planaræfolium**, Ettingshausen, 1887 A, p. 184, pl. ix, figs. 2-5, 4 a.
Ibid.
- **priscum**, Dawson, 1894, p. 59, pl. viii, fig. 28.
Upper Cretaceous; Vancouver Island, Canada.
- Ulmus dubia**, Dawson, 1883, p. 27, pl. vii, fig. 29. Ibid.
- **præcursor**, Dawson, 1887, p. 28, pl. ii, fig. 11.
Laramie Formation; Canada.
- Uredinites cretaceus**, Velenovsky, 1889, p. 29, pl. iii, fig. 14.
(= *Puccinites cretaceus*, Velenovsky, 1889, same figure.)
Perucer Beds; Bohemia.
- Vaccinium** sp.?, Kerner, 1896, p. 55, pl. v, fig. 5.
Cretaceous; Lesina, Dalmatia.
- Vesquia Tournaisii**, Bertrand, 1883, p. 1382; & 1883 A, p. 294.
Cenomanian; Tournai, France.

- Viburnites crassus**, Knowlton in Lesquereux, 1892, p. 124, pl. xlv, figs. 1-4. Dakota Group; Kansas, U.S.A.
- **Evansanus**, Ward, 1894, p. 262; & 1899 n, p. 709, pl. clxxii, figs. 3, 4. Dakota Group; S. Dakota, U.S.A.
- **Masoni**, Lesquereux, 1892, p. 125, pl. xlv, fig. 5. Dakota Group; Kansas, U.S.A.
- Viburnum anomalum**, Knowlton, 1900 A, p. 72. Montana Formation; Wyoming, U.S.A.
- **attenuatum**, Heer, 1883 A, p. 34, pl. lxiii, fig. 5. Patoot Beds; Greenland.
- **contortum**, Lesquereux, 1873, p. 396. Laramie Formation; Wyoming, U.S.A.
- **dichotomum**, Lesquereux, 1873, p. 399; & 1878, p. 225, pl. xxxviii, fig. 6. Ibid.
- **ellsworthianum**, Lesquereux, 1892, p. 121, pl. xxi, fig. 6. Dakota Group; Kansas, U.S.A.
- **grewiopsidium**, Lesquereux, 1892, p. 120, pl. xxi, fig. 4. Ibid.
- **Hollickii**, Berry, 1903 c, p. 683, text-figs. 5, 6. Matawan Formation; New Jersey, U.S.A.
- **inæquilaterale**, Lesquereux, 1892, p. 119, pl. xxi, figs. 2, 3. Dakota Group; Kansas, U.S.A.
- **integrifolium**, Newberry MS. in Hollick, 1894 A, p. 54, pl. clxxvii, fig. 7; & Newberry, 1895, p. 125, pl. xli, fig. 1. Cretaceous; Long Island, U.S.A.
- **Lesquereuxii**, Ward in Lesquereux, 1892, p. 121. Dakota Group; Dakota, U.S.A.
- **Lesquereuxii commune**, Lesquereux, 1892, p. 122, pl. liii, fig. 2. Dakota Group; Kansas, U.S.A.
- **Lesquereuxii cordifolium**, Lesquereux, 1892, p. 122, pl. lii, fig. 9. Ibid.
- **Lesquereuxii lanceolatum**, Lesquereux, 1892, p. 123, pl. liii, fig. 3. Ibid.
- **Lesquereuxii latius**, Lesquereux, 1892, p. 123, pl. liii, fig. 10. Ibid.
- **Lesquereuxii longifolium**, Lesquereux, 1892, p. 122, pl. liii, fig. 1. Ibid.
- **Lesquereuxii rotundifolium**, Lesquereux, 1892, p. 122, pl. lii, fig. 8. Ibid.
- ? **Lesquereuxii tenuifolium**, Lesquereux, 1892, p. 123, pl. lxiv, fig. 13. Ibid.
- **Mattewanense**, Berry, 1904 A, p. 80, pl. iv, fig. 13. Matawan Formation; New Jersey, U.S.A.
- **montanum**, Knowlton, 1900 A, p. 73, pl. xix, figs. 1, 2. Montana Formation; Wyoming, U.S.A.
- **multinerve**, Heer, 1883 A, p. 33, pl. lxiii, figs. 1-4. Patoot Beds; Greenland.
- **multinerve**, var. **b**, Heer, 1883 A, p. 34, pl. lxiii, fig. 4. Ibid.

- Viburnum oxycoccoides**, Dawson, 1886, p. 17,
Upper Cretaceous (?); Canada.
- **platanoides**, Lesquereux, 1878 B, p. 224, pl. xxxviii, fig. 8. (Re-named *Platanus platanoides* (Lesquereux), Knowlton, 1898.)
Laramie Formation; Wyoming, U.S.A.
- ? **problematicum**, Knowlton, 1900 A, p. 71, pl. xix, fig. 4.
Montana Formation; Utah, U.S.A.
- **robustum**, Lesquereux, 1892, p. 120, pl. xx, figs. 4-6.
Dakota Group; Kansas, U.S.A.
- **rotundifolium**, Lesquereux, 1876 C, p. 368; & 1878 B, p. 225, pl. xxxvii, fig. 12; pl. xxxviii, fig. 10; pl. lxi, fig. 22.
Montana Formation; Wyoming, U.S.A.
- **Saskatchuense**, Dawson, 1888, p. 35.
Belly River Series; Canada.
- **sphenophyllum**, Knowlton in Lesquereux, 1892, p. 123, pl. liii, fig. 4.
Dakota Group; Kansas, U.S.A.
- **subrepandum**, Hosius & von der Marck, 1880, p. 190, pl. xl, fig. 158. (= *Phyllites curvinervis*, Hosius, 1870 A.)
Lower Senonian; Westphalia.
- **vetus**, Saporta, 1894, p. 204, pl. xxxvi, fig. 9.
Upper Albian; Portugal.
- **zyziphoides**, Heer, 1883 A, p. 34, pl. lx, fig. 2.
Patoot Beds; Greenland.
- Vitex pentadactyla**, Velenovsky, 1882 A, p. 213 [nomen nudum].
Cretaceous; Bohemia.
- Vitiphyllum crassifolium**, Fontaine, 1889, p. 308, pl. cl, figs. 9, 10.
Potomac Formation; Virginia, U.S.A.
- **multifidum**, Fontaine, 1889, p. 309, pl. clxxiii, figs. 1-9.
Potomac Formation; Maryland, U.S.A.
- **parvifolium**, Fontaine, 1889, p. 309, pl. clxxii, figs. 11, 12. Ibid.
- Vitis Bruneri**, Ward, 1887, p. 69, pl. xxxii, figs. 1, 2.
Laramie Formation; Wyoming, U.S.A.
- **Carbonensis**, Ward, 1887, p. 70, pl. xxxii, fig. 3. Ibid.
- **sparsa**, Lesquereux, 1878 B, p. 241, pl. lx, fig. 24. Ibid.
- Volubilites lusitanicus**, Lorenz, 1901, p. 566. (= *Tænidium lusitanicum*, Heer, 1881.)
Cretaceous; Portugal.
- Weichselia erratica**, Nathorst, 1891, p. 24, pl. i, figs. 1-4
Lower Cretaceous; Mecklenburg, nr. Rostock.
- **Ludovicæ**, Stiehler, 1857, p. 453; & 1858, p. 73, pl. xii; pl. xiii.
Senonian; Quedlinburg, Saxony.
- **reticulata** (Stokes & Webb), Ward, 1899 B, p. 651, pl. clx, figs. 2-4.
(= *Pecopteris reticulata*, Stokes & Webb, 1824.)
Lower Cretaceous; Black Hills, U.S.A.

- Widdringtonia complanata**, Lesquereux, 1876 B, p. 336; & 1878 B, p. 72, pl. lxii, figs. 13, 14. Montana Formation; Wyoming, U.S.A.
- **parvivalvis**, Bayer, 1893, pp. 14 & 40, fig. 11; & Bayer in Fritsch, 1893, p. 129, text-fig. 182. Senonian; Priesen, Bohemia.
- **Reichii** (Ettingshausen), Velenovsky, 1887 A, p. 639, figs. 14-16 on plate. Cenomanian; Bohemia.
- **sarthacensis**, Crié, 1879 (?), p. 30 [nomen nudum].
Cretaceous; Sainte-Croix, France.
- Widdringtonites debilis**, Saporta, 1894, p. 93, pl. xvii, fig. 14; p. 105, pl. v, fig. 19; pl. xvii, fig. 14; pl. xix, figs. 6-8.
Valanginian & Neocomian; Portugal.
- **fasciculatus**, Hollick, 1906 A, p. 45, pl. iv, fig. 1.
Middle Cretaceous: Martha's Vineyard, U.S.A.
- **fastigiatus**, Endlicher, 1847 B, p. 272. (= *Caulerpites fastigiatus*, Sternberg, 1838.) Middle Cretaceous; Bohemia.
- **gracilis**, Heer, 1868, p. 83, pl. xliii, figs. 1 e, f, g, 3 c.
Kome Beds; Greenland.
- **pygmæus**, Saporta, 1894, p. 93, pl. xviii, fig. 10.
Valanginian; Portugal.
- **Reichii** (Ett.), Heer, 1882, p. 51, pl. xxviii, fig. 5. (= *Frenelites Reichii*, Ettingshausen, 1867 A.) Atane Beds; Greenland.
- **subtilis**, Heer, 1874 A, p. 101, pl. xxviii, figs. 1, 1 b.
Atane Beds; Greenland.
- Williamsonia? Bibbinsi**, Ward, 1905, p. 554, pl. cxv, fig. 11.
Older Potomac Formation; Maryland, U.S.A.
- **cretacea**, Heer, 1882, p. 59, pl. xii, fig. 1; pl. xiii, fig. 9.
Atane Beds; Greenland.
- **delawarensis**, Berry, 1907 A, p. 678, text-fig. 4.
Magothy Formation; Delaware, U.S.A.
- **docata**, Lesquereux, 1892, p. 87, pl. ii, figs. 9, 9 a.
Dakota Group; Kansas, U.S.A.
- ? **gallinacea**, Ward, 1905, p. 485, pl. cvii, fig. 4.
Older Potomac Formation; Virginia, U.S.A.
- **minima**, Saporta, 1894, p. 105, pl. xix, fig. 9.
Neocomian (?); Portugal.
- ? **phœnicopsoides**, Ward, 1899 B, p. 668, pl. clxii, fig. 20.
Lower Cretaceous; Black Hills, U.S.A.
- **problematica** (Newberry), Ward, 1895, p. 382. (= *Palæanthus (Williamsonia) problematicus*, Newberry, 1895.)
Amboy Clay; New Jersey, U.S.A.
- **recentior**, Dawson, 1886, p. 12, pl. iv, fig. 1.
Mill Creek Series; Canada.
- ? **Reisii**, Hollick, 1893, p. 37, pl. i, figs. 2, 3.
Raritan Formation; Staten Island, U.S.A.
- **Smcckii**, Newberry, 1895, p. 127, pl. xxxvi, figs. 1-8.
Amboy Clay; New Jersey, U.S.A.
- **texana**, Fontaine, 1894, p. 278, pl. xliii, figs. 1, 2.
Trinity Division; Texas, U.S.A.

- Williamsonia virginiensis**, Fontaine, 1889, p. 273, pl. cxxxiii, figs. 5-7; pl. clxv, fig. 5. Potomac Formation; Virginia, U.S.A.
- Winchellia triphylla**, Lesquereux, 1893, p. 209, pl. viii, fig. 1.
Upper Cretaceous; Montana, U.S.A.
- Woodwardia crenata**, Knowlton, 1900 A, p. 22, pl. iii, fig. 3.
Montana Formation; Wyoming, U.S.A.
- **sp.**, Knowlton, 1900 A, p. 23, pl. iii, fig. 9. Ibid.
- Xylolithes**, Debey, 1848. (Cancelled by Debey, 1850, p. 117.)
- Xylomites aggregatus**, Heer, 1882, p. 21, pl. xxix, figs. 11, 11 b.
Atane Beds; Greenland.
- **ellipticus**, Ettingshausen (*non* Feistmantel), 1867 A, p. 243, pl. i, fig. 7. Cenomanian; Niederschoena, Saxony.
- Yatesia Guillaumoti**, Fliche, 1893, p. 143, pl. i, fig. 4.
Albiau; Clermont, France.
- **Morrisii**, Carruthers, 1870, p. 688, pl. lv, figs. 3-6. (= *Cycadeoidea Yatesii* (Morris), Carruthers, 1867.) Lower Greensand; Pottton.
- Yezonia vulgaris**, Stopes & Fujii, 1910, pp. 23-32, pl. ii, figs. 5-8; pl. iii, fig. 9; pl. iv, fig. 19; text-figs. 8-11.
Upper Cretaceous; Hokkaido, Japan.
- Yezostrobus Oliveri**, Stopes & Fujii, 1910, pp. 33-41, pl. i, figs. 8-9; pl. iii, figs. 10-13; text-figs. 12-14. Ibid.
- Yuccites fractifolius**, Saporta, 1894, p. 110, pl. xix, fig. 20 a.
Lower Cretaceous (?); Portugal.
- ? **sp.**, Miquel, 1853, p. 53, pl. i, fig. 3. Cretaceous; Belgium.
- Zamia macrocephala**, Lindley & Hutton, 1835, p. 117, pl. cxxv.
(= *Zamioctrobus macrocephalus*, Endlicher, 1841.)
Greensand; Kent.
- **ovata**, Lindley & Hutton, 1837, p. 189, pl. ccxxvi A. (= *Zamioctrobus ovatus*, Schimper, 1870.) Ibid.
- **sussexiensis**, Mantell, 1843, p. 34; & 1846, p. 51, pl. ii, fig. 1.
(= *Pinites sussexiensis*, Carruthers, 1866 B.)
Lower Greensand; Sussex.
- **Washingtoniana**, Ward, 1895 A, p. 350, pl. ii, fig. 6.
Potomac Formation; Virginia, U.S.A.
- Zamiophyllum Buchianum** (Ettingshausen), Nathorst, 1890, p. 46, pl. ii, figs. 1-2; pl. iii; pl. iv, fig. 2; & Yokoyama, 1894, p. 223, pl. xx, fig. 1; pl. xxii, figs. 1, 2; pl. xxiii, fig. 6; pl. xxvii, figs. 5 a, b; pl. xxviii, figs. 1, 2. (= *Pterophyllum Buchianum*, Ettingshausen, 1852 c, & *Dioonites Buchianus*, Bornemann, 1856.)
Neocomian; Japan.
- **Naumanni**, Nathorst, 1890, p. 47, pl. v, fig. 1; & Yokoyama, 1894, p. 225 pl. xxi, fig. 3; pl. xxvi. Ibid.

- Zamiopsis brevipennis**, Richter, 1904, p. 14, pl. i, fig. 9; & 1905, p. 5, pl. i, fig. 9. Senonian; Quedlinburg, Saxony.
- **insignis**, Fontaine, 1889, p. 162, pl. lxii, fig. 3; pl. lxiv, figs. 1, 3; pl. lxv, figs. 4-6; pl. lxvi, fig. 2; pl. lxvii, fig. 7. Potomac Formation; Virginia, U.S.A.
- **laciniata**, Fontaine, 1889, p. 164, pl. lxvi, figs. 1, 5-8. Ibid.
- **longipennis**, Fontaine, 1889, p. 164, pl. lxi, fig. 8. Ibid.
- **petiolata**, Fontaine, 1882, p. 166, pl. lxvi, fig. 3. Ibid.
- **pinnatifida**, Fontaine, 1889, p. 161, pl. lxi, fig. 7; pl. lxii, fig. 5; pl. lxiv, fig. 2; pl. lxvii, fig. 2. Ibid.
- Zamiostrobus elongatus**, Ettingshausen in Reuss, 1854, p. 740 [nomen nudum]. Cenomanian; Moletein, Moravia.
- **familiaris**, Bronn in Roemer, 1852, p. 50. (= *Conites familiaris*, Sternberg, 1825.)
- **Guerangeri**, Brongniart, 1849 A, p. 111 [nomen nudum]. Cretaceous; France.
- **Loppineti**, Fliche, 1896, p. 139, pl. i, fig. 3, text-fig. 2. Albian; Clermont, France.
- **macrocephalus**, Endlicher, 1841, p. 72. (= *Zamia macrocephala*, Lindley & Hutton, 1835.) Greensand; Kent.
- **ovatus**, Schimper, 1870, p. 203. (= *Zamia ovata*, Lindley & Hutton, 1837.) Greensand; Kent.
- **pippingfordensis**, Unger, 1850 A, p. 300 (described by Fitton, 1836, p. 181, pl. xxii, fig. 10.) Lower Greensand; Sussex.
- **sp.**, Otto, 1854, p. 38, pl. v, fig. 5. Dippoldiswalde, Saxony.
- Zamites acutipennis**, Heer, 1871, p. 1181; & 1874 A, p. 66, pl. xv, figs. 3, 4, 5 a; pl. xvi, fig. 10. Kome Beds; Greenland.
- **affinis**, Schenk, 1871 A, p. 13, pl. iii, fig. 8. Wernsdorfer Beds; Silesia.
- **alaskana**, Lesquereux, 1889, p. 32, pl. x, fig. 4. Neocomian; Alaska.
- **apertus**, Newberry, 1891, p. 199, pl. xiv, figs. 4, 5. Kootanie Formation; Montana, U.S.A.
- **arcticus**, Goeppert, 1866, p. 134, pl. ii, figs. 9, 10. Recorded by Heer from Kome Beds, Greenland.
- **bohemicus**, Velenovsky, 1889, p. 6, pl. iii, figs. 7, 8. (= *Cycas* sp., Velenovsky, 1887 A.) Cenomanian; Bohemia.
- **borealis**, Heer, 1874 A, p. 66, pl. xiv, figs. 13, 14; pl. xv, figs. 1, 2. Kome Beds; Greenland.
- **brevipennis**, Heer, 1871, p. 1181; & 1874 A, p. 67, pl. xv, figs. 8, 9, 10. Ibid.
- **concinus**, Heer, 1871, p. 1181 [nomen nudum]. Ibid.
- **crassinervis**, Fontaine (*non* Germar), 1889, p. 172, pl. lxix, fig. 4; pl. lxxxiii, fig. 3. Potomac Formation; Virginia, U.S.A.
- **distantinervis**, Fontaine, 1889, p. 172, pl. lxxxiii, fig. 4. Ibid.

- Zamites familiaris**, Corda in Reuss, 1846, p. 86, pl. xlix, figs. 10, 11.
(= *Conites familiaris*, Sternberg, 1825.) Pläner; Bohemia.
- **globuliferus**, Heer, 1882, p. 12, pl. iv, figs. 1-7.
Kome Beds; Greenland.
- **Goepperti**, Schenk (*non* Zigno), 1871 A, p. 11, pl. iii, figs. 6, 6 a.
Wernsdorfer Beds; Silesia.
- **Heeri**, Nathorst MS., figured as *Zamites*, n. sp., Nathorst, 1885,
p. 341, fig. in text. Patoot Beds; Greenland.
- **iburgensis**, Hosius & von der Marek, 1880, p. 214, pl. xlv, fig. 202.
Neocomian; Westphalia.
- (**Dionites**) **Kaufmanni**, Heer, 1877, p. 146, pl. lviii, figs. 21, 22.
Neocomian; Switzerland.
- **montana**, Dawson, 1886, p. 7, pl. i, figs. 6, 6 a.
Kootanie Formation; Canada.
- **montanensis**, Fontaine, 1893, p. 494, pl. lxxxiv, fig. 4. (Re-named
Pterophyllum montanense by Knowlton, 1907.)
Kootanie Formation; Montana, U.S.A.
- **ovalis**, Fontaine, 1889, p. 173, pl. lxxxv, fig. 4; pl. clxx, fig. 3.
Potomac Formation; Virginia, U.S.A.
- **ovatus**, Schenk (*non* (Lindley & Hutton), Morris), 1871 A, p. 12,
pl. iii, figs. 7, 7 a. Wernsdorfer Beds; Austrian Silesia.
- **pachyneurus**, Schenk, 1871 A, p. 12, pl. iv, fig. 1. Ibid.
- **Schlotheimii**, Presl in Sternberg, 1838, p. 200. (= *Cycadites*
zamiaefolius, Sternberg, 1825.) Quadersandstein; Hör.
- **speciosus**, Heer, 1874 A, p. 64, pl. xiv, figs. 1-12; pl. xvi, fig. 4.
Kome Beds; Greenland.
- **subfalcatus**, Fontaine, 1889, p. 173, pl. lxxxiv, fig. 13; pl. lxxxv,
fig. 3. Potomac Formation; Virginia, U.S.A.
- **tenuinervis**, Fontaine, 1889, p. 171, pl. lxvii, fig. 1; pl. lxix, fig. 2;
pl. lxx, fig. 1; pl. lxxv, fig. 3; pl. lxxvi, fig. 7; pl. lxxviii, fig. 6;
pl. lxxxiv, fig. 7. Potomac Formation; Virginia, U.S.A.
- **Vanhöffeni**, Engelhardt in Vanhöffen, 1897, p. 371, text-fig. 28.
Kome Beds; Greenland.
- **Weedii**, Fontaine in Weed & Pirsson, 1898, p. 481.
Lower Cretaceous; Montana, U.S.A.
- **sp.**, Dawson, 1886, p. 7, pl. i, fig. 4. Kootanie Formation; Canada.
- ? **sp.**, Fontaine in Ward, 1899 B, p. 666, pl. cxii, fig. 15.
Lower Cretaceous; Wyoming, U.S.A.
- **sp.**, Fontaine, 1889, p. 173, pl. lxxxiv, fig. 12.
Potomac Formation; Virginia, U.S.A.
- **sp.**, Lesquereux, 1892, p. 26, pl. i, fig. 8.
Dakota Group; Kansas, U.S.A.
- **sp.**, Schenk, 1871 A, p. 13, pl. iii, fig. 11.
Wernsdorfer Beds; Austrian Silesia.
- Zingiberites pulchellus**, Heer, 1871, p. 1183; & 1874 A, p. 105,
pl. xxvii, fig. 12 b. Atane Beds; Greenland.

- Zizyphus Beckwithii**, Lesquereux, 1883, p. 125, pl. xix, fig. 5.
Laramie Formation; Colorado, U.S.A.
- **cliffwoodensis**, Berry, 1907 A, p. 676, text-fig. 5.
Magothy Formation; New Jersey, U.S.A.
- **dakotensis**, Lesquereux, 1892, p. 167, pl. xxxvi, figs. 4-7.
Dakota Group; Kansas, U.S.A.
- **elegans**, Hollick, 1894 A, p. 58, pl. clxxvii, figs. 9, 10.
Cretaceous; Long Island, U.S.A.
- **groenlandicus**, Heer, 1883 A, p. 42, pl. lxii, fig. 20.
Patoot Beds; Greenland.
- **Lewisiana**, Hollick, 1894 A, p. 58, pl. clxxx, fig. 13.
Cretaceous; Long Island, U.S.A.
- **oblongus**, Hollick, 1906 A, p. 92, pl. xxxiv, figs. 9, 10.
Middle Cretaceous; Long Island, U.S.A.
- Zonarites digitatus** (Brongniart), Geinitz. (= *Fucoides digitatus*, Brongniart.) Recorded from American Cretaceous by Lesquereux, 1873, p. 421; & 1874, p. 44, pl. i, fig. 1.
- Zonopteris comptoniæfolia**, Debey, 1848, p. 117 [nomen nudum].
(= *Didymosorus comptonifolius*, Debey & Ettingshausen, 1859 B.)
Senonian; Aix, Rhenish Prussia.
- **digitatus** (Brongn.), Geinitz. Recorded from Dakota Group, Kansas, by Lesquereux, 1873, p. 421.
- **Goepperti**, Debey, 1848, p. 117; & Debey & Ettingshausen, 1859 B, p. 213, pl. iv, figs. 11-20.
Senonian; Rhenish Prussia.
- **Goepperti heteropleura**, Debey, 1848, p. 117 [nomen nudum].
Ibid.
- Zoophycos Brianteus**, Massalongo, 1855, p. 51, pl. iii, figs. 1, 2.
Upper Cretaceous.
- **emarginatus**, Cocchi. See Sacco, 1888, p. 186.
- **Targionii**, Savi & Meneghini. See Sacco, 1888, p. 186.
- **tenuestriatus** (Heer). See Sacco, 1888, p. 186.
- **Villæ**, Massalongo, 1855, p. 49, pl. ii, figs. 1, 2. Upper Cretaceous.
- Zosterites Agardhianus**, Brongniart, 1828, p. 115.
Cretaceous; Sweden.
- **æquinervis**, Debey, 1849, p. 299 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **angustifolius**, Ettingshausen, 1893, p. 137; & 1895, p. 13, pl. i, fig. 2.
Cretaceous; Australia.
- **Bellovisana**, Brongniart, 1824, p. 317, pl. xxi, fig. 7.
Greensand; Isle of Aix, France.
- **caulinæfolia**, Brongniart, 1828 A, p. 204. Ibid.
- **elongata**, Brongniart, 1824, p. 317, pl. xxi, fig. 6. Ibid.
- **lineata**, Brongniart, 1824, p. 318, pl. xxi, fig. 8. Ibid.
- **Loryi**, Fliche, 1902, p. 122, pl. ii, one text-fig.
Senonian; Dévoluy, France.
- **Miqueli**, Debey MS. in Mourlon, 1881, p. 133 [nomen nudum].
Senonian; Limburg, Belgium.

- Zosterites multinervis**, Debey, 1848 A, p. 119 [nomen nudum].
Senonian; Aix, Rhenish Prussia.
- **Orbigniana**, Brongniart, 1824, p. 317, pl. xxi, fig. 5.
Greensand; Isle of Aix, France.
- **Orbignyanus**, Bronn in Bronn & Roemer, 1852, p. 42. (= *Zosterites Orbigniana*, Brongniart, 1824, & *Z. cauliniæfolia*, Brongniart, 1828 A.)
- **vittata**, Debey, 1848, p. 119 [nomen nudum].
Senonian; Aix, Rhenish Prussia.

ADDENDA ET CORRIGENDA.

- Page 50. Under *Abietites cretacea*, for "Dakota" read "New Mexico."
50. Under *Abietites Glueckii*, add Richter, 1904, p. 19, pl. i, fig. 14.
Senonian; Quedlinburg, Saxony.
66. Add *Asplenium distans*, Heer, recorded Dawson, 1886, p. 5, pl. iii, fig. 7.
Kootanie Formation; Canmore, Rocky Mts., Canada.
71. Add *Bignonia Westerhausiana*, Richter, 1904, p. 20, pl. ii, figs. 1-5.
Senonian; Quedlinburg, Saxony.
78. For "*Cassia præ-memnonia*" read "*Cassia præ-memnonia*."
80. Under *Cedroxylon manehildense* for "xc" read "xv."
113. Add *Dryopteris parvifolia* (Fontaine), Knowlton, 1898, p. 92; & in Ward, 1905, p. 541, pl. cxiv, fig. 7. (= *Aspidium parvifolium*, Fontaine, 1889.)
Potomac Formation; Virginia, U.S.A.
115. Under *Equisetum Zeilleri*, add Richter, 1904, p. 18, pl. i, figs. 2 & 12.
Senonian; Quedlinburg, Saxony.
125. Under *Geinitzia microcarpa*, for "1905" read "1904."
138. Under *Laurus crassinervis*, add Dawson, 1886, p. 10, pl. iii, figs. 3, 3 A.

DESCRIPTIVE CATALOGUE

OR

CRETACEOUS PLANTS.

Group THALLOPHYTA.

Plants with great variety of external morphology, but without differentiation into true root, stem and leaf. The plant body may consist of a single cell, a small number of cells, or may be a large, complex organism many feet in length. The higher members of the group show both internal and external structures suggestive of some of the features of the Vascular plants, but they are distinguished from them by the absence of true roots and the lack of differentiated vascular elements. Reproduction may be by simple, unisexual spores, but in the majority of forms there is some trace of sexuality, and in some the reproductive processes are exceedingly complex.

As no member of the group produces woody or sclerenchymatous elements, the parts are all soft and are very liable to decay. This perhaps accounts for their scarcity among the fossils, though many purely physical appearances have been mistaken for them. Few reliable determinations of members of this group have been made, except among the Calcareous Algæ, which secrete for themselves a coating of carbonate of lime.

Class ALGÆ.

Plants with vegetative body varying from a single cell to a complex, multicellular structure. All forms are provided with chlorophyll, which is masked by other pigments in some of the groups.

Among living Algæ the majority of the larger forms are marine and the group preponderates largely in the sea-water flora as a whole. It is, therefore, all the more surprising that so few good fossil examples are recorded. That Algæ existed from Palæozoic times is rendered certain by the fact that one of the earliest known plants with its internal structure preserved is an alga, *Nematophycus* (Dawson), Carruthers. The theory that all terrestrial vegetation originated from aquatic forms in the earliest times, is also generally accepted. The mere delicacy of the tissues forming the Algæ is not a sufficient explanation for the remarkable poverty of their petrification, for equally delicate parts of the higher plants are preserved; and it is probably due to the chemical nature of their cell-walls that they are so ill represented in fossil floras.

Although large numbers of appearances in the rocks have been described which are not Algæ but are of purely physical origin, many writers have hastily discarded specimens which merit retention because of the unsatisfactory nature of most fossil Algæ. Seward (1894) has discarded all the numerous generic names given to algal impressions and proposed the comprehensive generic name *Algites* for everything. For the Cretaceous plants this course does not seem advisable, because a number of the described species are at least as good as many of the fossil fern-species which are retained by all palæobotanists, while at the same time it is recognised that their affinities are very imperfectly known.

The literature dealing with fossil Algæ is extensive, and much of it is highly controversial. In a Swedish paper in 1874 Nathorst showed how many of the fossil "algæ" were simply physical markings, and he continued his work in 1881. To this Saporta replied in 1882 with a large monograph on the fossil Algæ. Nathorst published a more exhaustive paper in 1886 in reply both to Saporta and the others who continued to maintain the algal nature of the remains. In 1895 Fuchs contributed a large paper on "Fucoiden und Hieroglyphen", and stated that after an exhaustive examination of all the "fucoids" in most museums, he did not discover a single carbonised specimen, and he denied the statements made by other workers that such specimens are frequent. His opinion was that all the so-called

fucoids of the Flysch were of physical origin or due to animal tracks. Rothpletz more recently (1896) has taken a moderate view, and maintains the algal nature of many of the species. These papers are not confined to a consideration of the Cretaceous Algæ, but deal with the whole range of forms.

The Calcareous Algæ are naturally, by reason of their hard encrustations, of most importance geologically, and they do really play a part as "rock builders" (see Seward, 1894 v). Several undoubted genera and species of this group have been described from Cretaceous rocks.

Order DIATOMACEÆ.

[Living family.]

Minute unicellular Algæ sometimes living in colonies, but generally free swimming. The shape of the cell is exceedingly various, and particularly characterised by the thickened cell-wall which is in two parts, fitting together like a pill-box and its lid. This shell is generally silicified and often flattened and ornamented. In the living cell the chloroplast has a yellowish-brown colour.

Fossil diatoms are recorded in enormous masses in several Tertiary and a few Cretaceous deposits. In some cases, indeed, a fine whitish earth consists almost entirely of myriads of the minute silicified tests.

Ehrenberg (1841) pointed out long ago that many species of diatoms existed in the Upper Cretaceous, several apparently identical with living species, and all belonging to still living genera. He gives a list (p. 119) of the species and their localities which is too long for quotation, but a few names selected from it will indicate the distribution and character of the forms he records:—

Amphitetras antediluviana, from the Chalk Marl of Oran,
Coscinodiscus Argus, from the Chalk Marl of Caltanissetta,
Coscinodiscus eccentricus, from the Chalk Marl of Oran,
Coscinodiscus Putina, from the Chalk Marl of Zante,
Fragilaria rhabdosoma, from the White Chalk of Gravesend,

Fragilaria striolata, from the White Chalk of Gravesend,
Gallionella aurichalcea, from the White Chalk of Rügen,
Gallionella sulcata, from the Chalk Marl of Caltanisetta,
Navicula ventricosa, from the Chalk Marl of Oran.

Cayeux (1892, 1897) has recorded numerous diatoms from the Upper Cretaceous zones of *Ammonites mammillaris* and *A. inflatus* in the Paris basin. In his specimens the silicified tests are sometimes replaced by calcareous matter. Hitherto there are no authentic records of diatoms earlier than the Upper Cretaceous.

Order SIPHONEACEÆ.

[Living family.]

Unicellular Algæ of very various size and external form. The thallus may be much branched and is often of considerable size, but it is not separated by cell-walls into distinct cells. Many of the genera are encrusted with a calcareous coating, and the majority of them are marine.

The Siphoneaceæ are the most important group of fossil Algæ, and a number of well preserved and microscopically studied forms have been described by Rothpletz, Steinmann, and others from the calcareous members of the order. The soft-celled, microscopic forms belonging to this affinity have not been recorded among fossils.

Suborder CODIACEÆ.

Genus **BOUEÏNA**, Toulà.

[Toulà, Sitzb. k. Akad. Wiss. Wien, math.-naturwiss. Cl. 1884, vol. 88, p. 1319. For the recognition of its plant-nature see Steinmann, Bericht. naturf. Ges. Freiburg, vol. 11, pp. 1-6, text-figs. 1-7.]

The genus is monotypic and cannot therefore be diagnosed apart from the species. It was described by Gümbel, Zittel and others as a sponge, and the reference of the fossil to the Algæ is due to Steinmann.

This genus, which shows such similarity to the living *Halimeda*, is of special interest because previous to its recognition no member of the Codiaceæ had been determined on the basis of its structure, prior to the Tertiary.

***Boueina Hochstetteri*, Toul.**

1884. *Boueina Hochstetteri*, Toul., Sitzb. k. Akad. Wiss. Wien, math.-naturwiss. Cl., vol. 88, pp. 1319-1324, pls. vii-ix.

1901. *Boueina Hochstetteri*, Steinmann, Bericht. naturf. Ges. Freiburg, vol. 11, pp. 1-6, text-figs. 1-7.

In this alga the simple, unbranched body of the calcareous thallus is 10-20 mm. long, 2-3.5 mm. thick, and is penetrated by a system of branching canals which are connected without any visible segmentation. The cross-section is circular or oval, and in the central region the little branched canals of the axis run more or less nearly parallel, in the periphery they are very much smaller and stand at right angles to the surface and are very freely dichotomously branched. The ultimate branches are arranged very close together and form a kind of cortical zone. In large specimens the central canal-system is replaced by a simple cavity. Between the canals is an undifferentiated calcareous skeleton.

HORIZON.—Upper Neocomian.

LOCALITY.—Servia.

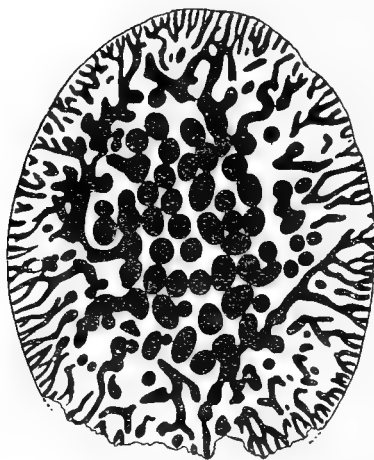
The general habitat of this Neocomian member of the Codiaceæ appears to have been similar to that of the modern *Halimeda*.

Steinmann's figures (Steinmann, 1901, text-figs. 2 and 3), reproduced here as text-fig. 1, show the general character of the cross-section of these algæ and illustrate clearly the remarkable likeness to the living *Halimeda*, a similar section of which is shown in text-fig. 2.

Fructifications for this fossil are not recorded, but this is a point which tends further to strengthen its supposed affinity to *Halimeda*, for in the living genus the spores are not developed on the parts already penetrated by calcareous matter.

It may be remarked that though, as Steinmann points out, there is a great similarity between the fossil and the living genus, the parts compared are only the "stalk" region of the plants and this is similar in several of the Codiaceæ.

A.

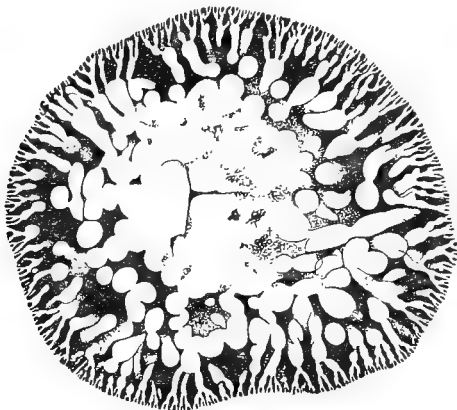


B.



Text-fig. 1.—*Boucina Hochstetteri*, Toulou. A. Transverse section showing the character of the central and the peripheral canals. $\times 28$. B. Cross-section of a specimen with a central cavity, and showing clearly the dichotomous branching of the peripheral canals. $\times 28$. After Steinmann.

Other Codiaceæ.—To the Codiaceæ should perhaps be added the impression described by Lorenz v. Liburnau as *Halimeda Fuggeri* (Lorenz, 1897) from the Flysch. Further specimens of this fossil were described by Lorenz in 1902, and the generic



Text-fig. 2.—Cross-section through a living *Halimeda* for comparison with the fossil *Bouëina Hochstetteri*. $\times 24$. After Steinmann.

name *Halimedides* suggested for them. The specimens certainly have the external appearance of a *Halimeda*, but they exhibit no internal structure, and their plant origin does not appear to be entirely beyond doubt.

Suborder *DASYCLADACEÆ*.

Genus **NEOMERIS**, Lamouroux.

[Living genus.]

A member of the Dasycladaceæ with unbranched, cylindrical stem, thickly encrusted. It consists of a thick-walled stem-cell with no cross walls or constrictions, with densely packed whorls of 32–80 side “branches.” These carry usually one terminal and short-stalked sporangium and two sterile paraphysis-like segments with swollen ends.

Neomeris cretacea, Steinmann.

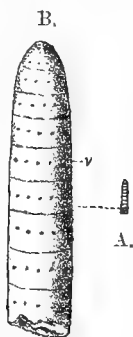
1899. *Neomeris cretacea*, Steinmann in Felix & Lenk, Beitr. Geol. Palæont. Mexico, p. 200, text-figs. 42-46.

The largest portions of the calcareous cylinder of the fossil are 3-4 mm. long and 2 mm. thick, but they were probably 10 mm. long when alive. They are perfectly cylindrical or slightly compressed. The tubes are penetrated by a central cavity which varies from 1.2-1.4 mm. in diameter. The wall is often as much as 0.5 mm. thick, and is penetrated by numerous radially arranged branches of two kinds, the one simple and uniform, about 0.05-0.06 mm. in diameter, and the other in fewer numbers and of flask-like shape with a blind ending.

HORIZON.—Upper Cenomanian.

LOCALITY.—Mexico.

The form much resembles the Eocene representatives of the genus.



Text-fig. 3.—*Munieria baconica*, v. Hantken. External appearance.
A. Nat. size; B. enlarged. After Deecke.

Genus **MUNIERIA**, v. Hantken *in litt.* (see Deecke).

[Neues Jahrb. f. Min., 1883, vol. 1, p. 9.]

The genus contains the single species *M. baconica*, and is not diagnosed by the original author.

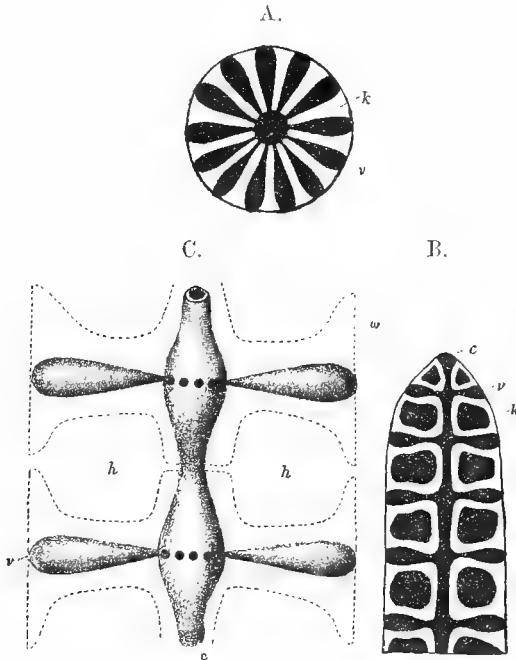
Munieria baconica, v. Hantken in Deecke.

1883. *Munieria baconica*, v. Hantken *in litt.*, Deecke, Neues Jahrb. f. Min., vol. 1, pp. 9-11, pl. i, figs. 4-10.

1897. *Munieria baconica*, Hauptfleisch in Engler & Prantl, Pflanzenfamil., p. 56.

1906. *Munieria* cf. *baconica*, Oswald, Geol. Armenia, plate to face p. 234.

This alga is cylindrical, from 5-7 mm. long, with a blunt apex. It is composed of numerous symmetrical, similar zones,



Text-fig. 4.—*Munieria baconica*, v. Hantken. A. Cross-section showing *k*, chalky skeleton, *v*, verticillate canals. B. Longitudinal section, *c*, central canal. C. Restoration of a small part of the alga: *c*, axial canal; *v*, verticillate canals which contained the living portion of the alga. The perforated outline represents the calcareous skeleton, *w*, with spaces, *h*, in it. After Deecke.

each about 0.5 mm. thick, so that there are 10-14 of these in a specimen. The diameter is about 0.75 mm., and each zone is perforated by about a dozen round pores. In good specimens

there is no external ornamentation, and, except for the pores, no external sign of zones.

The external appearance of the fossil is seen in numerous cases where it has weathered out, so that hand-specimens are covered with individuals of *Munieria*. The internal structure can be studied by means of sections. In section it is seen that there is an axial canal in the centre of each segment, from which the lateral canals radiate. In longitudinal section they are seen more clearly, and the arrangement of the living tissues is evident (see text-fig. 4).

HORIZON.—Cretaceous.

LOCALITY.—Bakony.

Deecke gives no concise definition of the genus, but describes it at some length and places it near *Gyroporella*. In the neighbourhood of Bakony the alga is so abundant it is said practically to compose one of the beds of the Cretaceous. Hovelacque (1900) gives a figure of a section of fossiliferous calcite from the Urgonian of the Sub-Alps in which are fragments of what he considers may be *Munieria* of Deecke, but his published figures are not conclusive.

Details of the reproductive branches are unknown. In the same matrix Deecke noticed several segments differing somewhat from the normal ones, which he took to be the reproductive branches of the same species.

V. 11063. A small hand-specimen, and a microscopic slide of the same, described as *Munieria* by Oswald (1906). The sketch which he gives (see plate to face p. 234) is unsatisfactory, the actual specimen, while showing much more definite structure than does the figure, being still of such an obscure nature that it is highly doubtful if it is an alga. In the matrix are numerous other fragments (not noted by Oswald) which bear a closer resemblance to a *Lithothamnium* than does his specimen to *Munieria*. No accurate determination seems possible at present.

(?) Urgonian; Armenia. Presented by Dr. F. Oswald
and H. F. B. Lynch, Esq., 1904.

Genus **DIPLOPORA**, Schafhäütl.

[Süd-Bayerns Lethæa Geogn. Petrefacten, 1863, pp. 324, 327.]

The generic name was first given to forms which Schafhäütl included among the Bryozoa. Later by Gümbel and others it was superseded by *Gyroporella*, but the older name was revived for some of the algal forms which are characteristic of the Trias; and the name is also used by Lorenz and Arbenz for the Cretaceous species which they describe as follows:—

Diplopora Mühlbergii, T. Lorenz.

1902. *Diplopora Mühlbergii*, T. Lorenz, Bericht Naturf. Ges. Zürich, vol. 12, pp. 19 [52]–20[53], figs. 3–7.

1908. *Diplopora Mühlbergii*, Lorenz, Arbenz, Vierteljahrsschrift Naturf. Ges. Zurich, vol. 53, pp. 387–392, figs. 1–5.

Slender, somewhat bent tube-like forms, average length about 2 mm. (?) From the hollow axial space open whorls of branch canals. The branches vary, but are principally simple. Branch whorls are separated some distance from each other and the branches are not superimposed in vertical series. In a variety described by Arbenz (1908) the average diameter is 0·3–0·5 mm., with a thickness of 0·1–0·15 mm. for the wall.

HORIZON.—Barremian and Aptian.

LOCALITY.—Wildkirchli and elsewhere, locally very abundant.

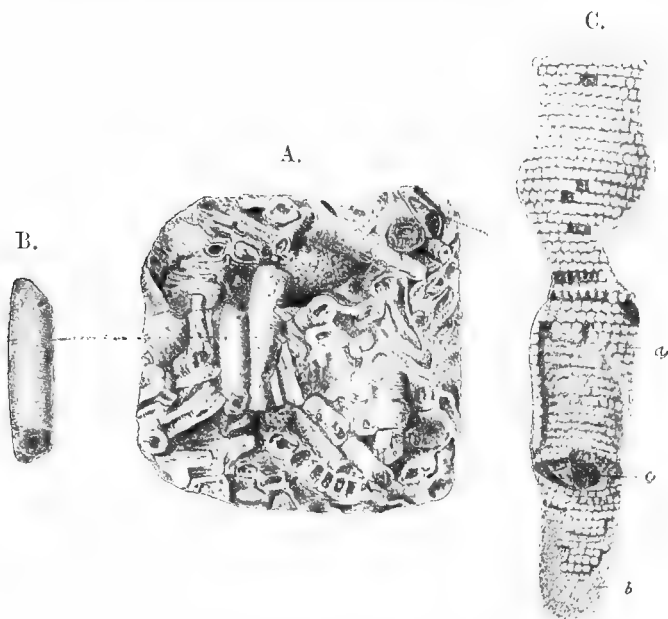
Lorenz notes that the discovery of this form in the Cretaceous is of interest, because hitherto algæ of this generic type have been known in numbers only from the Trias, with isolated specimens from the Jura. According to Arbenz (1908) the alga is extremely abundant in the Lower “Schrattenkalk” (Up. Barremian) and Aptian of some districts, and may even form one third of all the organisms in a deposit. He says (p. 392) “Die Diploporen der untern Kreide scheinen somit auf das Barrémien und Aptien in neritischer Facies beschränkt zu sein,” where they are a typical facies fossil.

The name *D. Mühlbergii* probably covers several species which can only be separated when more detailed work is available.

Genus **TRIPLOPORELLA**, Steinmann.

[Neues Jahrb. f. Min., 1880, vol. 2, p. 130.]

Steinmann gave no generic diagnosis of this genus, but described it fully, and his original description was much extended



Text-fig. 5.—*Triploporella Fraasi*, Steinmann. A. A portion of the Lebanon Cretaceous rock with specimens of *Triploporella*, natural size. B. A fragment of *Triploporella*, $\times 2$. C. An enlarged fragment showing *a*, the primary branching, *b*, the secondary branch system, *c*, the axis broken across. After Steinmann.

by the examination of further specimens from Mexico (see Steinmann, 1899). According to him *Triploporella* is a member of the Dasycladaceæ of Turonian and Cenomanian age, which had a wide geographical distribution, as is evidenced by the two localities in which it has been found, viz. Syria and Mexico. It has some of the characters both of the Acetabulariæ and the

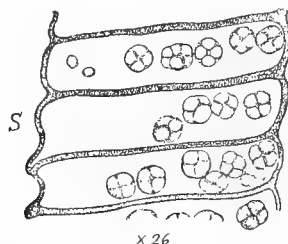
Dasycladaceæ, and may be considered as a form intermediate between the two groups.

Triploporella Fraasi, Steinmann.

1880. *Triploporella Fraasi*, Steinmann, Neues Jahrb. f. Min., vol. 2, p. 136, pl. v, figs. 1-8.

1899. *Triploporella Fraasi*, Steinmann in Felix & Lenk, Beitr. Geol. Palæont. Mexico, pp. 190-195, text-figs. 29-40.

A form with closely packed series of whorled branches bearing spores, and with finely divided branches below and beyond these. The whole structure probably about 30 mm. long, and



Text-fig. 6.—*Triploporella Fraasi*, Steinmann. Portion of a radial section of some of the whorled branches. *s*, the axial stem. In the cavities of the "branches" are the "mother spores" dividing into four. After Steinmann.

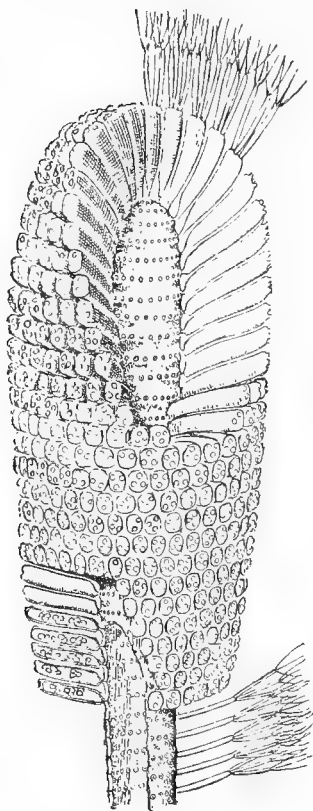
of a diameter of about 5 mm. at the distal, and 1.5-2 mm. at the proximal end.

From the calcareous specimens of Mexico further details were obtainable, and the verticillate series of sporangial branches contained "spores."

The restoration of the plant given in Steinmann's second paper, reproduced here in text-fig. 7 (p. 246), shows the vertical axis and series of whorled branches, both spore-bearing and divided.

HORIZON.—Turonian and Cenomanian.

LOCALITY.—Lebanon, Syria, and Mexico



Text-fig. 7.—*Triploporella Fraasi*, Steinmann. Reconstruction. $\times 4$.
After Steinmann.

Associated with the Siphonæ is the rather doubtful genus *Goniolina*, first described from the Jurassic, and later recorded in Cretaceous deposits. Saprota originally named it as an inflorescence of a proangiosperm, and its external appearance is suggestive of the spines of an Echinoderm. It is now generally accepted among the Siphonæ, but as it is primarily a Jurassic plant it will not be considered here.

Gyroporella (Gümbel) is another genus recorded in the Cretaceous, but it was first described from Permian rocks. It is outwardly similar to *Neomeris*, but with less complex structure.

Tribe ACETABULARIÆ?

The extremely problematic fossils which have been placed in the genus *Gyrophyllites*, founded by Glocker in 1841 for some Jurassic specimens, have a number of representatives in true Cretaceous deposits, and also in the Flysch. Heer (1877) founds and figures three species (pl. lviii), *G. obtusifolius*, *G. Oosteri*, and *G. pentamerus*, from the Swiss Cretaceous. His genus *Discophorites*, with the species *D. angustilobus* and *D. Fischeri*, shows no characters really to separate it from the previously named "genus," and must be included in "*Gyrophyllites*." Lorenz (1901) considers the "genus" at some length and definitely places it in the Acetabulariæ, although Solms-Laubach, in his classical monograph on the Acetabulariæ (Solms-Laubach, 1901), does not discuss these fossils, but notes their extremely problematic nature in his text-book. Lorenz (*l. c.*) determines several new species from the Flysch deposits.

Order PHÆOPHYCEÆ (?)

[Living family.]

Algæ, almost entirely marine, with a large, branched and complex thallus. Multicellular, with some cell-differentiation. Chromatophores golden brown in living cells.

Genus **CHONDRITES**, Sternberg.

[Flora d. Vorwelt, 1838, p. 25.]

Algæ, or fossils which suggest algæ, with a much-branched dichotomous or sympodial thallus which is *cylindrical*.

The essential feature of the fossils described under this generic name is the cylindrical form of the branches. These are not flattened in the rock like most plant-remains, and they often lack all traces of carbonaceous material. They are frequently

distinguished from the surrounding matrix by their different colour—black in a light rock or white in a dark one.

Brongniart (1828 A) described the genus under the name *Fucoides* in his § *Gigartinites* as follows (p. 20):—"Fronde rameuse, à branches presque-cylindriques, charnues, jamais membraneuses." He divided the group into nine species, to the number of which many later writers have added. Much that was said about the fossil Algæ as a whole (p. 234, *ante*) applies particularly to this section, and it does not appear necessary to enter into an exhaustive recapitulation of all the "species" described, even among the Cretaceous specimens of *Chondrites*. In contrast to most of the earlier writers who tended to multiply genera and species of fossil Algæ, Ettingshausen (1863) pointed out that a number of the so-called Algæ, placed in this genus by Fischer-Ooster and others, cannot be accepted. He also noted the difficulty of distinguishing between many of the forms to which distinct specific names have been given, because of the intermediate stages which occur to connect them.

In the controversy on the algal nature of fossil Algæ, the genus *Chondrites* is one of the most disputed. Nathorst (1886 A) maintains that the forms are not algæ and supports this view with weighty arguments. For example, he points out how the very nature of the matrix, particularly in the Flysch deposits, shows that the beds must have accumulated rapidly, while Algæ of the nature of the supposed "*Chondrites*" do not inhabit troubled waters. He also makes much of the argument that the specimens are not carbonised and show no trace of vegetable substance even when they occur in rocks which contain other true vegetable fossils which are carbonised. This objection, however, seems to be sufficiently answered by the fact that even among living seaweeds the decay takes place in a different manner from that of the higher plants, owing to the different chemical composition of the plant-body in the two types of vegetation.

After having read most of the extensive and highly controversial literature on the subject, and having seen a large number of specimens in most of the leading museums, my conclusion is that the "genus" *Chondrites* does contain "species" which are truly the remains of algæ, though many of those described for the genus are probably purely physical phenomena.

And further, that if this conclusion should ultimately prove incorrect and all of them prove to be other than algæ, it is still useful to retain the genus for the present, and wise to keep it in the established position which is as good as any other on *a priori* grounds, and has the advantage of being long recognised.

In his exhaustive monograph on the Algæ of the Flysch Rothpletz (1896) proposes the generic name *Phycopsis* to replace the old-established *Chondrites*. His objection to the latter is very just, namely, that it suggests affinities which are not proven. His own name, however, is not free from the same objection. As he brings forward no new facts which throw light on the affinity of the plant, by the code of nomenclature the older name should be retained. According to my suggestion regarding the names of doubtful species, the name is printed in gothic type *

The Flysch deposits which are so peculiarly rich in "Algæ" have been the subject of a monograph by Rothpletz (1896) to which reference should be made. They will not be specially treated in the present volume, and indeed most of them are Tertiary, or doubtfully Cretaceous in age.

Chondrites Targionii (Brongniart), Sternberg.

1828. *Fucoides Targionii*, Brongniart, Hist. Végét. Foss., p. 56, pl. iv, figs. 4-6.

1828. *Fucoides Targionii*, Brongniart, Prodrôme, p. 20.

1835 (read 1828). *Fucoides Targionii*, Mantell, Trans. Geol. Soc. [2] vol. 3, p. 210.

* In a paper in the Annals of Botany for October 1911, I brought forward the arguments that form the foundation of my suggestion—which is, that all fossil plants for which there is no good, scientific reason for association with given families and genera, and to which nevertheless names indicative of such affinities have been given, should be printed henceforth in Gothic character. This would instantly indicate the doubtful nature of the fossil without altering and multiplying the nomenclature, and would avoid the use of a trinomial system or any of the other more cumbersome devices which have been suggested. It would also immediately appeal to those not specially trained in palæobotany when looking through lists of names, and set them on their guard against drawing unwarranted conclusions.

1838. *Chondrites Targionii* et varr., Sternberg, Versuch Flora Vorwelt, p. 25, pl. ix, fig. 3.
1853. *Chondrites Targionii*, Unger, Denkschr. k. Akad. Wiss. Wien, vol. 4, p. 79, pl. xxv, fig. 5.
1858. *Chondrites Targionii* (excl. some of Sternberg's varr.), Fischer-Ooster, Fossilen Fucoiden, p. 46, pl. viii, figs. 8 a, 8 b.
1863. *Chondrites Vindobonensis*, varr., Ettingshausen, Fossilen Algen Wiener Karpathen-Sandsteines, p. 457.
1869. *Chondrites Targionii*, Schimper, Traité Paléont. Végét., vol. 1, p. 170, pl. iii, fig. 7.
1877. *Chondrites Targionii* (et varr.), Heer, Flora Foss. Helvetiæ, p. 155; pl. lx, fig. 5; pl. lxi, fig. 9; pl. lxii, figs. 1-10; pl. lxiii, figs. 6 a, 12-17.
1880. *Chondrites Targionii*, Hosius & v. d. Marck, Palæontogr., vol. 26, p. 130, pl. xxiv, figs. 1, 2.
1896. *Phycopsis Targioni*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 48, p. 887.
1900. *Chondrites Targioni*, Zeiller, Élémt. Palæobot., p. 33, fig. 6.

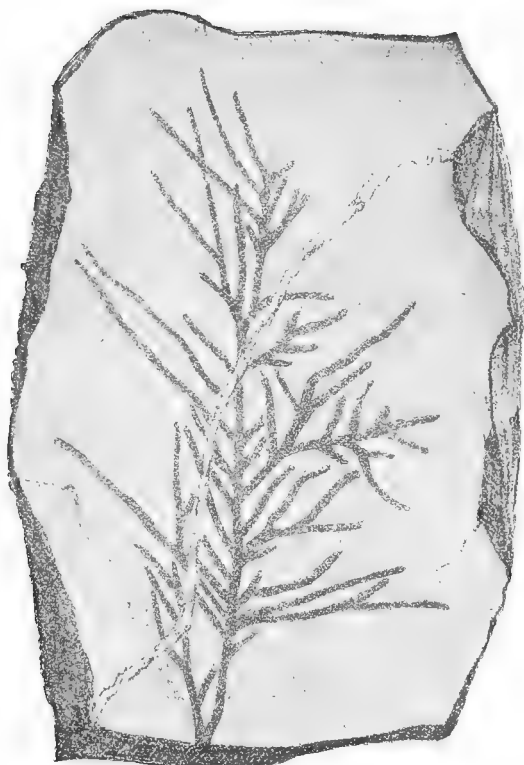
Heer's diagnosis is perhaps the most concise:—" *Chondrites* fronde irregulariter dichotome et pinnatim ramosa, ramis alternis et oppositis, hinc inde valde approximatis .75-1.5 mm. latis, longitudine valde inaequalibus, ramulis nonnullis praelongis, angulo acuto egredientibus, erectis, strictis."

HORIZON.—Lower Greensand—Flysch.

LOCALITY.—Widely distributed over Europe.

Many of the specimens which have been referred to this species are certainly worthless, and are probably worm-burrows or animal-tracks of the kind demonstrated by Nathorst. Further, a number of specimens have been placed in subspecies or varieties which show no real features distinctive enough to separate them from the "species" which is recognised of little scientific value in any case. There are, nevertheless, a number of fossils which can at once be recognised as characteristic and which it is useful to place together under one well-established name.

The specimens in the Museum are principally from the Lower Greensand of Bignor Park, one of the earliest known localities for the fossil, which Mantell described and figured in several of his works. The thallus is whitish and highly calcareous, and the specimens are less suggestive of plants than many of the others included in the species, though they come within the terms of the diagnosis.



Text-fig. 8.—*Chondrites Targionii* (Brongn.), Sternberg. A characteristic specimen of the "species." Nat. size. After Brongniart.

V. 88, V. 88 a. Numerous ramifications of the branched "thallus" penetrating the sandy matrix in various directions. The branches are white in colour and cylindrical. In section they appear as circles scattered in the matrix. Lower Greensand; Bignor Park, Sussex.
Egerton Coll., 1882.

5570, 5573, 5574, 5575, 5576, 5577, 5579, 5579 a. Similar specimens from the Greensand. *Mantell Coll.*

10780, 9424, 9426, V. 11507, V. 11508, V. 11509, V. 11510,
V. 11511, V. 11512. Similar specimens from the
Greensand; Bignor (?). *Mantell Coll. (?)*

Chondrites intricatus (Brongniart), Sternberg.

[Plate I, fig. 1 b.]

1824. *Fucoides intricatus*, Brongniart, Observations sur *Fucoides*,
p. 311, pl. xix, fig. 8.
1828. *Fucoides intricatus*, Brongniart, Hist. Végét. Foss., p. 59,
pl. v, figs. 6, 7, & 8.
1828. *Fucoides intricatus*, Brongniart, Prodrôme, p. 20.
1838. *Chondrites intricatus*, Sternberg, Versuch Flora Vorwelt,
p. 26, pl. vii (non vi), fig. 3.
1858. *Chondrites intricatus*, Fischer-Ooster, Fossilen *Fucoiden*,
p. 44, pl. viii, fig. 1.
1863. *Chondrites Vindobonensis*, varr., Ettingshausen, Fossilen
Algen Wiener Karpathen-Sandsteines, p. 457.
1869. *Chondrites intricatus*, Schimper, Traité Paléont. Végét.,
vol. 1, p. 172, pl. iii, fig. 9.
1877. *Chondrites intricatus* (et varr.), Heer, Flora Foss. Helvetiæ,
p. 157, pl. lxiii, figs. 1-10.
1896. *Phycopsis intricata*, Rothpletz, Zeitschr. deutsch. geol. Ges.,
vol. 48, p. 888, pl. xxii, fig. 7. (*Chondrites æqualis* should
probably be included here.)

Heer's diagnosis may be quoted:—" *Chondrites fronde subtili, caespitosa, tripinnatim ramosa, ramulis .25-.5 mm. latis, longitudine inaequalibus, setaceis, angulo acuto egredientibus, approximatis.*"

HORIZON.—Cretaceous—Flysch.

LOCALITY.—Widely distributed in the Swiss Alps and elsewhere.

Ettingshausen (1863) concluded that this species is really a younger form of *Chondrites Targionii*, but Rothpletz's more recent and more detailed work does not support this view. The species was one of the earliest to be recognised among fossil algæ, and its characteristic size and appearance make it easily distinguished from most of the other "species" of supposed algæ.

In our Pl. I, fig. 1 a slab of Cretaceous Flysch shale is illustrated, showing numerous fragments (b) of the plant with other algæ.

53020. A number of fragments of the tufted, branching thallus, together with an *Algites*, figured in Pl. I, fig. 1 b. Cretaceous Flysch ; Sievering.

Ettingshausen Coll., 1879.

- V. 11513. Several fragments of the branching thallus, one showing the tufted form very well. Cretaceous Flysch ; Sievering.

Ettingshausen Coll., 1881.



Text-fig. 9.—*Chondrites intricatus* (Brongn.), Sternberg.
A characteristic specimen. Nat. size. After Heer.

- V. 11514, V. 11515. Numerous branches and fragments of thallus lying in various directions and penetrating the slab of matrix. Cretaceous Flysch ; Sievering.

Ettingshausen Coll., 1881.

• *Chondrites patulus*, Fischer-Ooster.

[Plate I, fig. 2.]

1858. *Chondrites patulus*, Fischer-Ooster, Foss. Fucoiden, p. 48, pl. viii, figs. 6, 7.

1877. *Chondrites patulus*, Heer, Flora Foss. Helvetiæ, p. 156, pl. lxiii, figs. 18-24.

Heer's diagnosis may be quoted :—" *Chondrites fronde erecta, pinnatim vel bipinnatim ramosa, ramis approximatis, sub angulo fere recto egredientibus, inaequilongis, 75-1 mm. latis.*"

HORIZON.—Cretaceous—Flysch.

LOCALITY.—Fähnern, etc., Switzerland.

This "species" is readily separated from the others by the arrangement of the lateral branches at right angles to the larger branches.

V. 11516. In Pl. I, fig. 2, a small fragment from the Upper Cretaceous is illustrated to show the branched thallus, which much resembles the original description.



Text-fig. 10.—*Chondrites patulus*, Fischer-Ooster. Showing the rectangular form of the branches. Nat. size. After Fischer-Ooster.

Genus **ALGITES**, Seward (emend.).

[Catal. Mesoz. Plants Brit. Mus., Wealden, pt. i, 1894, p. 4.]

Seward's diagnosis, if emended, may be taken:—A generic term to cover a presumably composite genus for those *flattened* impressions "which in all probability belong to the class Algæ, but which by reason of the absence of reproductive organs, internal structure, or characters of a trustworthy nature in the determination of affinity, cannot be referred with any degree of certainty to a particular genus or family."

The separation of the cylindrical forms into another group may at times seem arbitrary, but it is convenient at present. Where all the "genera" are based on very unsatisfactory data, it is well to use a clearly marked and stable character.

Algites furcatus (Brongn.), comb. nov.

[Plate I, fig. 1 a.]

1824. *Fucoides* (*Sphaerococcus*?) *furcatus*, Brongniart, Observations sur *Fucoides*, p. 309, pl. xix, fig. 3.
 1828. *Fucoides furcatus*, Brongniart, Hist. Végét. Foss., p. 62, pl. v, fig. 1.
 1828. *Fucoides furcatus*, Brongniart, Prodrôme, p. 20.
 1838. *Chondrites furcatus*, Sternberg, Versuch Flora Vorwelt, p. 27.
 1858. *Chondrites furcatus* (some varieties), Fischer-Ooster, Fossilen *Fucoiden*, p. 51, pls. ix-x.
 1863. *Chondrites affinis* & *C. genuinus*, Ettingshausen, Foss. Algen Wierer Karpath.-Sandst., pp. 460, 465.
 1869. *Chondrites furcatus*, Schimper, Traité Paléont. Végét., vol. 1, p. 169, pl. iii, fig. 8.
 1896. *Phycopsis affinis*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 48, p. 885, pl. xxii, figs. 1, 2.

Algites with thallus branching alternately, the side branches averaging 3 mm. in width and with rounded ends, springing from a larger branch 4-7 mm. in diameter. The main branches are characterised by dichotomous division, and the ultimate branches are sympodial.

HORIZON.—Cretaceous—Flysch.

LOCALITY.—Switzerland and other mid-European countries.

Rothpletz states that it is the fucoid with the widest thallus among those of the Flysch deposits. It appears to me to be one of the best established of the doubtful group.

53020. A branching thallus showing some of the ultimate ramifications with their rounded ends, illustrated in Pl. I, fig. 1 a, with *Chondrites intricatus*. Cretaceous Flysch; Sievering. *Ettingshausen Coll.*, 1879.

Algites sp.

41410. Very obscure markings on a block of white chalk, which may possibly be fucoidal impressions. Upper Chalk; Charlton, Kent. *Purchased*, 1863.

Algites ?

- V. 3947. Unidentifiable fragments of plant tissue in a mass together. On sandstone. They may, however, be macerated fragments of higher plants. Senonian; Baumberg, Westphalia. *Purchased*, 1899.

NOTE.—Several more or less doubtful species which could technically be placed in the genus *Algites* have been described from time to time. Their bibliographic details, however, are not worth bringing together. Many of the “species” will be found in the list of Cretaceous species given at the beginning of this volume.

Order RHODOPHYCEÆ—CORALLINACEÆ.

Algæ, principally marine, with branched and sometimes very complex thallus. Multicellular, with some cell-differentiation and a more highly organised reproductive system than in the other groups of Algæ. The calcareous encrusting of the thallus and the form of growth give a number of the species the appearance of corals. The chromatophores (as in all Rhodophycæ) contain a red colouring-matter.

Genus **LITHOTHAMNIUM**, Philippi.

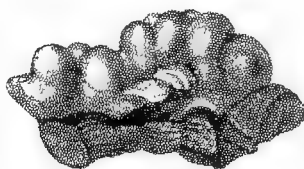
[Living genus.]

A coralline Alga with an encrusting, spreading thallus growing on to the sub-stratum, with irregular, coralline, or branching upward outgrowths. Thallus entirely calcified and as hard as stone. Basal part of thallus with a regular arrangement of the cells in rows. Conceptacles developed in the upward growing part of the thallus, generally in series of growth-zones.

As the living genus was long unrecognised as belonging to the Algæ, it is not surprising that fossil representatives of the group remained even longer without detection. It was in 1874 that the first systematic description of the fossil forms of *Lithothamnium* appeared by Gümbel under the title “Die sogenannten Nulliporen.” In this work seven Cretaceous species are described in addition to those of Tertiary and Jurassic age. Rothpletz (1891 B), under the title “Fossile Kalkalgen aus den Familien der Codiaceen und der Corallineen,” has added the only other important contribution to the subject, in which he describes four new Cretaceous species of *Lithothamnium*. Solms-Laubach in his ‘Text Book of Fossil Botany’ says that “we shall do well . . . to put them all together as

Lithothamnium ramosissimum," but he wrote before the more detailed measurements and study of the fossils had been undertaken. Seward (1898) gives some of Rothpletz's figures and describes *L. mamillosum*, Gümbel, in his more recent Text-book.

Lithothamnium has not hitherto been recognised in British Cretaceous rocks, although it is so widely spread in European deposits of the same age. Though no specimens have been identified in the British Museum Collection, I have had the privilege of examining Prof. Rothpletz's original specimens in Munich. In several of these slides the internal structure is remarkably clear, and there appear to be several true species among those described from the Cretaceous, even if all the eleven species are not really distinct.



Text-fig. 11.—*Lithothamnium mamillosum*, Gümbel, to show external features. Nat. size. After Gümbel.

***Lithothamnium mamillosum*, Gümbel.**

1871. *Lithothamnium mamillosum*, Gümbel, Abhandl. k. Akad. Wiss. München, vol. 11, p. 41, pl. ii, figs. 7 a, 7 b.
 1891. *Lithothamnium mamillosum*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 43, p. 315, pl. xvii, fig. 7.
 1898. *Lithothamnium mamillosum*, Seward, Fossil Plants, p. 188, text-fig. 32 A, p. 155.

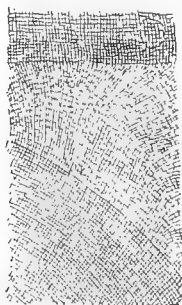
Algal thallus irregularly branched, nodular and crust-like, the branches about 5 mm. long and 4.5 mm. thick. In microscopic section the individual cells of the perithallium are 5.5–8 μ in diameter and of square outline, and of the hypothallium about 18 μ in length.

Apparently sterile.

As text-fig. 11 shows, this irregular coralline mass may well have been mistaken for an animal nullipore. Previous to

Gümbel's work, it had been described as *Cellepora bipunctata*, Goldf., *Membranipora bipunctata*, Blainv., *Discopora bipunctata*, Edw., and *Marginaria bipunctata*, Roem.

The internal structure was studied in more detail by



~ 80

Text-fig. 12.—*Lithothamnium mamillosum*, Gümbel, to show microscopic details of the tissue of the perithallium. $\times 80$. After Rothpletz.

Rothpletz (1891 B), in the hope of detecting reproductive organs, but the available specimens seem to be sterile.

HORIZON.—Uppermost Cretaceous (Danian).

LOCALITY.—Petersberg, near Maestricht.

TYPE.—Goldfuss' specimen of *Cellepora bipunctata* in the Palæontological Museum, Old Academy, Munich.



Text-fig. 13.—*Lithothamnium perulatum*, Gümbel. External appearance. Natural size. After Gümbel.

***Lithothamnium perulatum*, Gümbel.**

1871. *Lithothamnium perulatum*, Gümbel, Abhandl. k. Akad. Wiss. München, vol. 11, p. 44, pl. ii, figs. 11 a, 11 c.

Thallus somewhat flat, spreading and irregularly encrusting. In section the cells are rectangular and $10\mu \times 8\mu$ in diameter.

HORIZON.—Uppermost Cretaceous (Danian).

LOCALITY.—Maestricht.

TYPE.—Bavarian State Collection, Old Academy, Munich.

Lithothamnium procoenum, Gümbel.

1871. *Lithothamnium procoenum*, Gümbel, Abhandl. k. Akad. Wiss. München, vol. 11, p. 43, pl. ii, fig. 10.

The thallus with irregularly divided branches about 3–4 mm. in diam. springing from a thicker stock. In section the cells are rectangular and about $12\mu \times 8\mu$.

The specimen was originally known as the Nullipore *Ceripora dichotoma*, Goldf.

It is probable that the species *Lithothamnium parisiense*, Gümbel, described from a small fragment, and separated from



Text-fig 14.—*Lithothamnium procoenum*, Gümbel. External form.
Natural size. After Gümbel.

this because its cells are $9\mu \times 6\mu$ in diameter, really belongs to this species.

HORIZON.—Uppermost Cretaceous (Danian).

LOCALITY.—Petersberg, near Maestricht.

TYPE.—Palæontological Museum, Old Academy, Munich.

Lithothamnium palmatum (Goldf.), Gümbel.

1826. *Nullipora palmata*, Goldfuss, Petrefacta Germaniæ, p. 20, pl. viii, fig. 9.

1871. *Lithothamnium palmatum*, Gümbel, Abhandl. k. Akad. Wiss. München, vol. 11, p. 284, pl. D iv, figs. L 1 a & L 1 b.

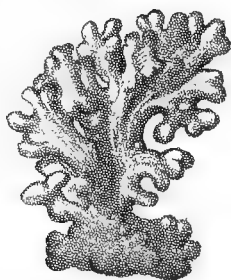
Irregularly branched, the branches much grown together, and the ends of the branches somewhat swollen. In section the cells are rectangular and $7\mu \times 8\mu$.

HORIZON.—Upper Cretaceous.

LOCALITY.—Gosau, and in France.

TYPE.—Goldfuss' *Nullipora palmata*, in the University Collections at Bonn.

It is probable that *Lithothamnium racemosum* (Goldf.), Gümbel, p. 284, pl. d iv, figs. L 2 a & L 2 b, is really a small



Text-fig. 15.—*Lithothamnium palmatum* (Goldf.), Gümbel. External form. Natural size. After Gümbel.

fragment of this species. The size of the cells, viz. $9\mu \times 10\mu$ instead of $7\mu \times 8\mu$, is the only apparent difference and hardly seems sufficient basis for a specific distinction where the internal details are so slightly described.

Lithothamnium Goldfussi, Gümbel.

1871. *Lithothamnium Goldfussi*, Gümbel, Abhandl. k. Akad. Wiss. München, vol. 11, p. 285, pl. d iv, figs. L 3 a & L 3 b.

A large, spreading form with wing-like expansions and short branches with rounded ends. The cells are exceptionally large, and measure $70\mu \times 24\mu$.

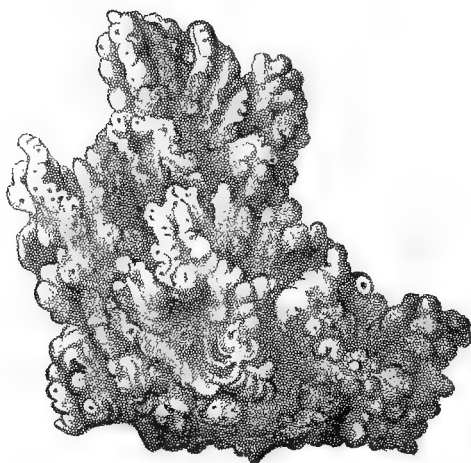
LOCALITY.—In the Cretaceous deposits, apparently several localities.

TYPE.—Goldfuss' specimens in the University Collections of Bonn.

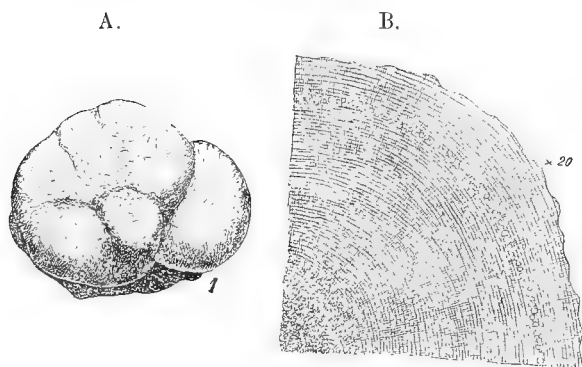
Lithothamnium cenomanicum, Rothpletz.

1891. *Lithothamnium cenomanicum*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 43, p. 313, pl. xv, figs. 1, 2, 16.

The thallus consists of rounded, mamilliose masses which are outwardly quite distinct from the other species of *Lithothamnium*.



Text-fig. 16.—*Lithothamnium Goldfussi*, Gümbel. External form.
Natural size.



Text-fig. 17.—*Lithothamnium cenomanicum*, Rothpletz. A. External appearance, natural size. B. Cross section showing a zone of tetraspore development, $\times 2$ After Rothpletz.

The growth is very regular and there is no growing over of the perithallium through the hypothallium. In section the cells are $12-14\ \mu \times 20-25\ \mu$. The tetraspores lie in a number of concentric zones in the tissues and are $50-60\ \mu$ by $70-80\ \mu$.

HORIZON.—Cenomanian.

LOCALITY.—St. Paterne, Sarthe, France.

TYPE.—Palæontological Museum, Old Academy, Munich.

Rothpletz considers that this species should be placed near *L. amphiroæformis*, *L. nummuliticum*, *L. ramosissimum*, and *L. racemus*, because of the size of the cells, though in its outward form it differs from these.

***Lithothamnium turonicum*, Rothpletz.**

1891 *Lithothamnium turonicum*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 43, p. 313, pl. xv, figs. 9, 13.

Small, dichotomously branching form, the branches 3 mm. thick by 12 mm. long. When broken across the concentric banding is visible to the naked eye, and these concentric rings are the tetraspore zones. Cells $9-10\ \mu$ by $12-15\ \mu$, and in the hypothallium up to $30\ \mu$ long. The tetraspores are $30-35\ \mu$ wide and $75\ \mu$ high.

HORIZON.—Turonian.

LOCALITY.—Beausset, Var, France.

TYPE.—Palæontological Museum, Old Academy, Munich.

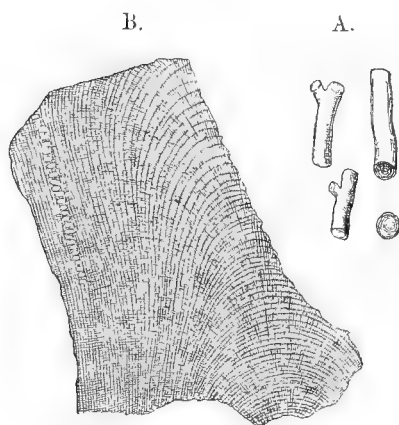
Both the external shape and the internal cells separate this immediately from *L. cenomanicum*, while the other forms to which it has an external likeness have not been studied by means of sections, so that this form stands rather isolated.

***Lithothamnium amphiroæformis*, Rothpletz.**

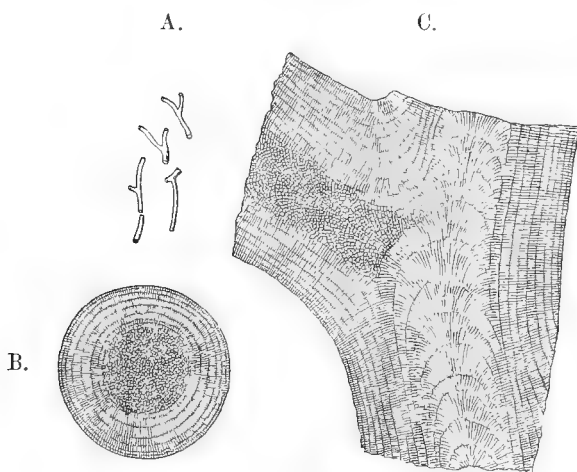
1891. *Lithothamnium amphiroæformis*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 43, p. 314, pl. xv, figs. 10, 14.

Very delicate cylindrical branches, dichotomously divided, and only 0.5 mm. in diameter. The cells are $12-15\ \mu$ wide and $20-30\ \mu$ long, and in the hypothallium up to $100\ \mu$ in length. No tetraspores or conceptacles have been recognised.

The fact that the cells are so much larger in this form than in *L. turonicum*, although it is externally of smaller size, precludes the likelihood of this species being a juvenile stage



Text-fig. 18.—*Lithothamnium turonicum*, Rothpletz. A. External form, natural size. B. Part of the thallus to show the cells and tetraspore zone, $\times 25$. After Rothpletz.



Text-fig. 19.—*Lithothamnium amphiroæformis*, Rothpletz. A. External form, natural size. B. Transverse section, and C. Longitudinal section, showing the zones of cells. B $\times 45$ and C $\times 50$. After Rothpletz.

of *L. turonicum*, as might at first be imagined from the external similarity.

HORIZON.—Turonian.

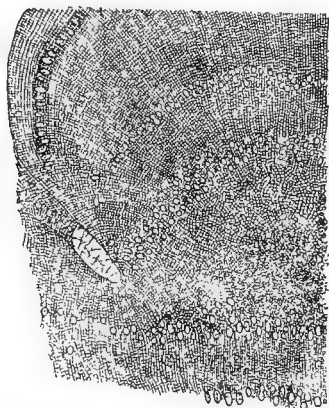
LOCALITY.—Beausset, Var, France.

TYPE.—Palæontological Museum, Old Academy, Munich.

***Lithothamnium gosaviense*, Rothpletz.**

1891. *Lithothamnium gosaviense*, Rothpletz, Zeitschr. deutsch. geol. Ges., vol. 43, p. 315, pl. xvii, fig. 3.

An encrusting form, taking on the shape of the object it covers; the upper surface branching or warty. The cells are



Text-fig. 20.—*Lithothamnium gosaviense*, Rothpletz. Section showing several tetraspore zones in the tissue. $\times 30$. After Rothpletz.

9–12 μ wide and 9–12 μ high, but in the hypothallium up to 25 μ long. The tetraspores are 30–40 μ wide and 50–70 μ high. Tetraspores are developed once the perithallium reaches a thickness of 300 μ .

HORIZON.—Senonian.

LOCALITY.—Gosau and Martigues, fairly common.

TYPE.—Palæontological Museum, Old Academy, Munich.

ALGÆ?

Indeterminate remains.

- V. 11065. Supposed fucoidal remains in a coarse sandstone from North Kop Khan, Armenia (see Oswald, 1906, p. 339). The fragments are carbonised and permeate the matrix, and are entirely unrecognisable. They resemble fragments of higher plants rather than Algæ.

Armenia.

*Presented by Dr. F. Oswald
and H. F. B. Lynch, Esq., 1904.*

DESCRIBED CRETACEOUS "ALGÆ" OF EXCEEDINGLY DOUBTFUL NATURE.

The following may represent traces of Algæ:—

<i>Caulerpites bryodes</i> , Debey & Ettings.	<i>Chondrites Riemsdyki</i> , Miquel.
<i>Caulerpites Eseri</i> , Unger.	<i>Chondrites serpentinus</i> , Heer.
<i>Chondrites cretaceus</i> , Presl.	<i>Confervites Woodwardi</i> , Mantell.
<i>Chondrites dichotomus</i> , Feistmantel.	<i>Fucoides æqualis</i> , Brongniart.
<i>Chondrites divaricatus</i> , Debey & Ettings.	<i>Fucoides strictus</i> , Brongniart.
<i>Chondrites filiciformis</i> , Lesquereux.	<i>Halyserites gracilis</i> , Debey & Ettings.
<i>Chondrites neocomensis</i> , Heer.	<i>Sphærococcites Meyrati</i> , Fischer-Ooster.
<i>Chondrites polymorphus</i> , Hosius & v. d. Marck.	

The following appear to be poor impressions of Dicotyledonous or Monocotyledonous plants:—

<i>Delesserites Thierensi</i> , Miquel, in Hosius & v. d. Marck, and in Debey & Ettings. (dicot. leaf?).	<i>Laminarites polystigma</i> , Debey & Ettings.
<i>Fucoides Brardii</i> , Brongniart (leafy twig of gymnosperm).	<i>Lockmophycus caulerpoides</i> , Debey & Ettings.
<i>Fucoides tuberculosus</i> , Brongniart.	<i>Neosporangium foliaceum</i> , Debey & Ettings.
<i>Haliserites Reichii</i> , Sternberg.	<i>Neosporangium undulatum</i> , Debey & Ettings.

The following may be of vegetable origin, but are indeterminate:—

Aulacophycus pedatus, Heer.
Caulerpa Lehmanni, Heer.
Caulerpites tenuis, Fischer-Ooster
 (probably a small conifer twig).
Chondrites Bosqueti, Miquel.
Chondrites elegans, Debey & Ettings.
Chondrites flexuosus, Newberry
 (rootlets?).
Chondrites jugiformis, Debey &
 Ettings.
Chondrites rigidus, Debey & Ettings.
Chondrites subcurvatus, Hosius &
 v. d. Marck (rootlets?).
Chondrites subintricatus, Debey &
 Ettings. (rootlets?).
Chondrites subverticillatus, Presl
 in Sternberg.
Chondrites vagus, Debey & Ettings.
 (rootlets).

Confervites æquensis, Debey &
 Ettings.
Confervites dubius, Berry.
Delessertites Hampeanus, Stiehler.
Fucoides Brongniarti, Mantell.
Fucoides cauliformis, Fritsch (pith-
 cast?).
Fucoides lygnbianus, Brongniart.
Fucoides orbignianus, Brongniart.
Gelidium trajectomosum, Debey
 & Ettings.
Gyrochorte porrecta, de Stefani.
Haliserites contortuplicatus, v. d.
 Marck.
Keckia ambigua, Eichwald (fern
 petioles?).
Phycodes sericeus, Debey & Ettings.
Sphærococcites Laubei, Engelhardt.
Sphærococcites pinnatifidus, Unger.

The following appear to be indeterminate as Algæ, and are probably the tracks of animals, trickling water, etc.:—

Caulerpites pyramidalis, Sternberg.
Caulerpites Diesingi, Unger.
Chondrites fusiformis, Fischer-Oost.
Codites neocomiensis, Saporta &
 Marion.
Confervites cæspitosus, Debey &
 Ettings.
Confervites ramosus, Debey &
 Ettings.
Cylindrites arteriaeformis, Goeppert.
Cylindrites conicus, Hosius & v. d.
 Marck.
Cylindrites dædaleus, Goeppert.
Cylindrites spongoides, Goeppert.
Fucoides? columnaris, Fritsch.
Fucoides funiformis, Fritsch.
Fucoides friburgensis, Heer.
Fucoides latifrons, Heer.

Fucoides strangulatus, Fritsch.
Keckia annulata, Glocker.
Keckia cylindrica, Otto.
Keckia nodulosa, Otto.
Keckia vesiculosa, Otto.
Münsteria Schneideriana, Goeppert.
Neomeris annulus, Böhm.
Nulliporites granulosus, Heer.
Tenidium alysioides, Hosius & v. d.
 Marck.
Taonurus Saportaii, Dewalque.
Taonurus tenuistriatus, Heer.
Zonarites alvicornis, Fischer-Ooster.
Zoophycos Brianteus, Massalongo.
Zoophycos Villa, Massalongo.
Hexagonaria senonica, Deecke (a
 sponge).

These lists do not comprise all the supposed Algæ from Cretaceous rocks, but include the majority of them and indicate the extent of the described material. Some synonyms and further

"species," with references to the original descriptions, will be found in the list of Cretaceous plants at the beginning of the volume.

Class FUNGI.

A group of plants parallel to the Algæ, ranging from unicellular to large multicellular forms. They are all without chlorophyll, unable to manufacture their own food, and are therefore parasitic or saprophytic.

In comparison with the numerous fossils, vegetable and otherwise, which have been described as Algæ, there are very few Cretaceous specimens which have been placed in the group of Fungi.

A few "species" of parasitic fungi have been described as having attacked several of the dicotyledonous leaves which are so numerous in Cretaceous times; and while it is possible that a few of these are in reality the remains of fungal infection-spots on the leaves, most of them suggest that they owe their origin to the accidents of petrification. In 1896, Krasser (p. 116, pls. xi-xii) described and figured some traces of fungi on the supposed Monocotyledon *Typhæloipum cretaceum*, but he refrained from naming them, and said "aus der Kreideformation ist bisher überhaupt kein einziger Pilz bekannt über dessen systematische Stellung man sich mit Sicherheit äussern könnte."

There are now known, however, undoubted fungal petrifications. Most of these are found in the woods which have their anatomical structure preserved, and in which many of the cells are permeated by fungi. Among the petrified remains of the Japanese Cretaceous forests recently described by Stopes & Fujii (1910), parasitic fungi showing their reproductive organs have been discovered inhabiting the leaves and stems of the higher plants. These are among the best petrifications of fungi known from any geological formation. Septate and aseptate forms are recorded, and Suzuki (1910) even figures the microscopic section of a petrification showing the details of an ascomycetous perithecium.

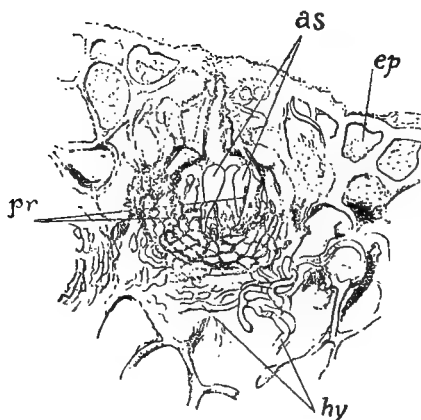
Sub-Class **Ascomycetes.**

Order PYRENO MYCETES.

Genus **PLEOSPORITES**, Suzuki.

[Bot. Mag. Tokyo, vol. 24, 1910, p. 194.]

A monotypic genus with the following species.

Pleosporites Shirainus, Suzuki.1910. *Pleosporites Shirainus*, Suzuki, Bot. Mag. Tokyo, vol. 24, pp. 191-194, text-figs. 2, 3, pl. vii, phot. 6.Microscopic fungus in which the "hyphæ are well developed, septate, 2-5 μ in diameter. Perithecium formed under the

Text-fig. 21.—*Pleosporites Shirainus*, Suzuki. Perithecium cut longitudinally through the neck and orifice, showing asci (*as*); paraphyses (*pr*); hyphæ (*hy*); and epidermis of host (*ep*). $\times 370$. After Suzuki.

hypoderma of the leaves of the host, well defined, spherical or somewhat flask-shaped, with an orifice, short-necked, thick-walled, the wall consisting of 5-7 or more irregular layers of thin-walled plectenchyma cells. Asci formed at the bottom

of perithecium, without development of stroma; paraphyses present."

HOST.—Shoot of *Cryptomeriopsis*.

HORIZON.—Upper Cretaceous.

LOCALITY.—Hokkaido, Japan.

TYPE.—In Prof. Fujii's collection in the Botanical Department, Science College, Imperial University, Tokio, Japan.

This fungus is found excellently preserved, infecting most of the shoots and leaves of the Cretaceous Gymnosperm *Cryptomeriopsis*. The fructifications form under the hypoderm of the leaves, as is illustrated in the text-fig. 21.

The prevalence of this fungus in the remains of *Cryptomeriopsis* is commented on by Fujii (1910), who compares it with those infesting the living genus *Cryptomeria*, and considers that it may have been one of the factors in the extinction of the host.

V. 11988. A microscopic section of three leaves of *Cryptomeriopsis antiqua*, Stopes & Fujii, all affected by a fungus which is in all probability the same as that described by Suzuki as *Pleosporites Shirainus* infecting *Cryptomeriopsis mesozoica*, Suzuki. One of the fungal perithecia is cut nearly medianly in this section, and two other perithecia in the other leaves are cut very tangentially. Throughout the mesophyll of all the leaves there are numerous ramifying hyphæ which show their septations in many places. In their description of the host-plant, *Cryptomeriopsis antiqua*, Stopes & Fujii (1910, p. 55) noted the presence of this fungus but did not describe it further. It is of course possible that it is not of the same species as that more recently described by Suzuki (1910) on his species of *Cryptomeriopsis*; indeed, judging from the "biological species" of fungi which result from their adaptations to different hosts, it is more than likely that the two fungi would be classed as different species were they both alive. In the present imperfect state of our knowledge, however, it seems better to place this fungus in Suzuki's species, *Pleosporites Shirainus*, with a note to the effect that

it inhabits a different host from that attacked by his original species, than to multiply specific names.

Upper Cretaceous ; Hokkaido, Japan.

Presented by Dr. M. C. Stopes, 1910.

Genus **PETROSPHÆRIA**, Stopes & Fujii.

[Phil. Trans. Roy. Soc. Lond., 1910 B, p. 6.]

Monotypic genus with the following species.

Petrosphæria japonica, Stopes & Fujii.

[Plate II.]

1909-10. *Petrosphæria japonica*, Stopes & Fujii, Proc. Roy. Soc. Lond., vol. 81, p. 599 (abstract), and Phil. Trans. Roy. Soc. Lond., 1910 B, pp. 4-6, pl. i, figs. 1-6.

Microscopic fungus in which the "hyphæ are septate, 2-4 μ in diameter, the septa at right angles to the long walls. Many cells of the hyphæ irregularly swollen to a large size. These swollen cells usually thickened, and forming round or irregular nests of plectenchyma which has often extremely thick walls. These clusters, entirely within the tissue of the host, are principally in the periderm."

True spore-formation at present unknown.

HOST.—*Saururopsis*, on the apparently underground stems.

HORIZON.—Upper Cretaceous.

LOCALITY.—Hokkaido, Japan.

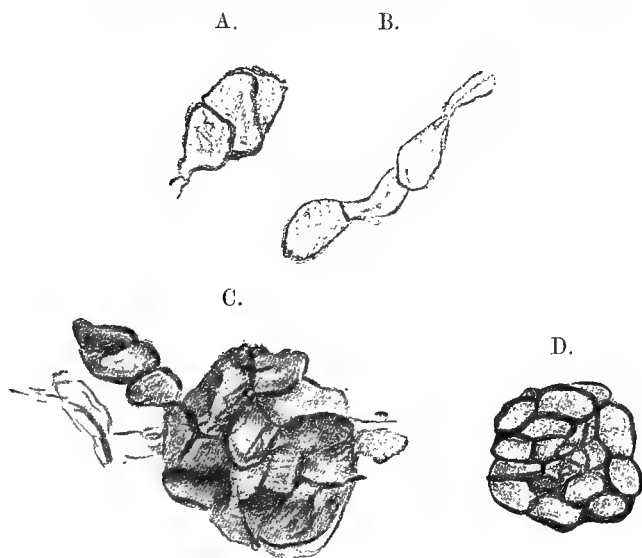
TYPE.—British Museum (Natural History).

The stem of the Angiospermic genus *Saururopsis* was found to be thickly infested with septate hyphæ and also masses of reproductive or resting cells (see text-fig. 22).

No other fossil form is known with which this can be compared, but resting masses of thickened cells are not uncommon among living members of the Sphæriaceæ, with which it is probable the fossil has some affinity. Whether the fossil was a parasitic or saprophytic form is not determinable, but it appears to have lived underground, for the part of the host it was infesting was a rhizome or underground stem.

V. 11968. Holotype. Stopes & Fujii, 1910, Phil. Trans. Roy. Soc. Lond., pl. i, figs. 1, 2, 3, 5, & 6. There is little

to add to the original description of this specimen. The stem affected by the fungus is one of several lying in the mineral matrix of the slide, but is the only one of the genus *Saururopsis* hitherto discovered. Throughout the cortex numerous blackened masses are to be seen which are possibly the effete clusters of the fungal tissues, but may be due to some secretion



Text-fig. 22.—*Petrosphæria japonica*, Stopes & Fujii. A & B. Ends of hyphæ cut off by transverse septum, and much swollen and thickened. C & D. Nests of thickened fungal "cells" in the periderm of the host showing the form in which they commonly occur. $\times 750$. After Stopes & Fujii.

natural to the host-stem. All round the stem just below and within the periderm the hyphæ and reproductive masses have been petrified in the midst of their activity. Hyphæ with swollen ends similar to those in the text-figure are seen in considerable variety. Micro. section in slide 1 B2 in Stopes Coll.

Upper Cretaceous; Hokkaido, Japan.

Presented by Dr. M. C. Stopes, 1910.

- V. 11967. Paratype. Section through the same stem with fungus. Slide 1 B1 in Stopes Coll.

Upper Cretaceous; Hokkaido, Japan.

Presented by Dr. M. C. Stopes, 1910.

- V. 11969. Paratype; section through the same stem showing the fungus very widely spread through the tissues. The distribution of the fungus in the periderm layers of the host is illustrated well in this section, a small portion of which is drawn in. Plate II to show both the hyphæ and a few of the irregular thickened fungal cells. Slide 1 B4 in Stopes Coll.

Upper Cretaceous; Hokkaido, Japan.

Presented by Dr. M. C. Stopes, 1910.

- V. 11970. Paratype; next section to V. 11969. This shows similar hyphal developments to those in V. 11969, and also has in the periderm layers a number of particularly well preserved nests of thickened cells (*cf.* text-fig. 22). Several of these are seen quite at the edge of the host-tissues, though the majority of them are more deeply seated. Slide 1 B5 in Stopes Coll.

Upper Cretaceous; Hokkaido, Japan.

Presented by Dr. M. C. Stopes, 1910.

- V. 11971. Paratype. Slide 1 B10 in Stopes Coll.

Upper Cretaceous; Hokkaido, Japan.

Presented by Dr. M. C. Stopes, 1910.

Doubtful members of the Pyrenomycetes:—

Genus **SPHÆRITES**, Meschinelli.

[In Saccardo, *Sylloge Fungorum*, x, p. 753.]

Presumably with the characters of the living *Sphæria*, but incompletely known.

Sphærites cretaceus (Heer), Meschinelli.

1883. *Sphæria cretacea*, Heer, *Flora foss. Grönlands*, p. 1, pl. 1x, figs. 2, 2 b.

1892. *Sphærites cretaceus*, Meschinelli, *Syll. Fung. foss.*, p. 753.

1902. *Sphærites cretaceus*, Meschinelli, Fungor. foss. omnium Iconog., p. 21, pl. x, figs. 6, 6 a.

"Sph. peritheciis numerosis, orbiculatis, 1-1½ mm. latis, ostiolo rotundato pertusis."

Host.—Leaf of *Viburnum zizyphoides*.

HORIZON.—Upper Cretaceous (Patoot Beds).

LOCALITY.—Greenland.

Heer's description (1883 A, p. 1) is followed exactly by Meschinelli, who adds nothing new to the original short statements concerning this doubtful fossil. It is, however, as Heer's original figure shows, rather more likely to be a fungus than most of the circular markings on leaf-impressions which are described as such.

Sphærites problematicus (Knowlton), Meschinelli.

1892. *Sphaeria problematica*, Knowlton in Lesquereux, Flora Dakota Group, p. 23, pl. xxxi, figs. 2, 2 a.

1895. *Sphærites problematicus*, Meschinelli, Fungi fossiles, p. 657.

1902. *Sphærites problematicus*, Meschinelli, Fungor. foss. omnium Iconog., p. 24, pl. x, figs. 26, 26 a.

"Peritheciis sparsis, punctiformibus, rotundatis vel ovalibus, raro triangulatis, 0·5-1 mm. diam., ostiolo centrali duobus annulis prominentibus circumdato."

Host.—Leaf of *Sterculia Snowii*.

HORIZON.—Dakota Group.

LOCALITY.—Kansas, U.S.A.

While it is possible that this species may represent a true pyrenomycetous fungus, there is no real evidence for the view, and the markings on the leaf may be due to galls, and not fungal in their nature.

Order DISCOMYCETES.

Genus **PHACIDITES**, Meschinelli.

[In Saccardo, Sylloge Fungorum, x, p. 776.]

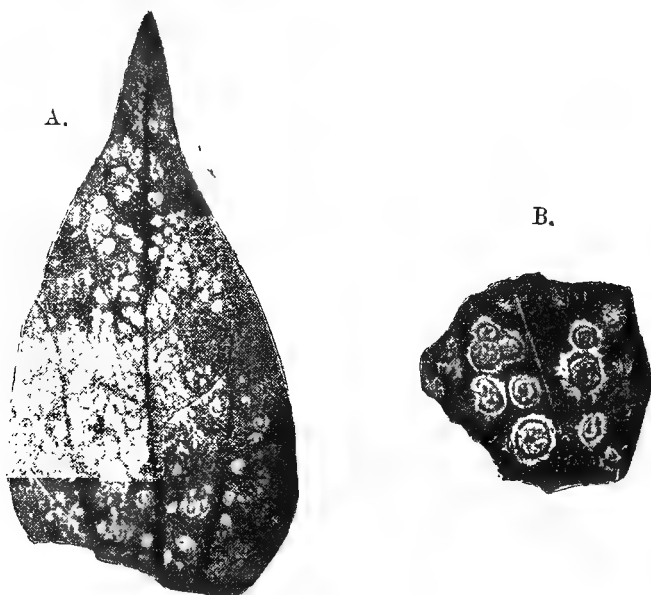
Presumably with the characters of the living genus *Phacidium*, but incompletely known.

Phacidites circumscriptus (Bayer), nom. nov.

1899. *Phacidium circumscriptum*, Bayer, Sitzungsber. k. böhm. Ges. Wiss. Prag, p. 7, text-fig. 3.

1901. *Phacidium circumscriptum*, Bayer in Fritsch & Bayer, Studien böhm. Kreidepfl., p. 67, text-fig. 3.

Fungus on leaves with apothecia scattered or in groups of two or three, mostly round or very slightly angled, 1.5–2 mm.



Text-fig. 23.—*Phacidites circumscriptus* (Bayer), nom. nov. A. Leaf of *Aralia daphnophyllum* with the fungus, natural size. B. Small portion about 3 times enlarged to show the character of the apothecia. After Bayer.

in diameter, with a definite border. In some cases grooves run from the border to a central depression.

HOST.—Leaf of *Aralia daphnophyllum*.

HORIZON.—Upper Cretaceous (Perucer Beds).

LOCALITY.—Vyserovic, Bohemia.

In Bayer's original description (Bayer, 1899) he illustrates this fungus with two text-figures which show its very characteristic appearance. He states that it is rare, but readily distinguished from any of the other Cretaceous fungi.

Supposed fungus :—

Genus **RHYTISMITES**, Meschinelli.

[In Saccardo, *Sylloge Fungorum*, x, p. 781.]

Presumably with the characters of the living genus *Rhytisma*, but incompletely known.

Rhytismites hederæ (Heer), Meschinelli.

1882. *Rhytisma hederæ*, Heer, *Flora foss. Grönlands*, p. 20, pl. xxiv, fig. 6 a.

1892. *Rhytismites hederæ*, Meschinelli, *Syll. Fung. foss.*, p. 781.

1902. *Rhytismites hederæ*, Meschinelli, *Fungor. foss. omnium Iconog.*, p. 57, pl. xvii, fig. 5.

HORIZON.—Upper Cretaceous (Atane Beds).

LOCALITY.—Greenland.

TYPE.—Heer's specimen in University Geological Museum, Copenhagen, on leaf of *Hedera primordialis*.

Very many further specimens of the Greenland leaves, not only of *Hedera* but of other genera, show circular markings similar to those described by Heer as his fungus *Rhytisma hederæ*. A number of excellent specimens are in Prof. Nathorst's collection in Stockholm, and a comparison of these with Heer's original, and with other specimens, suggests strongly that the markings are truly organic but are those of galls, and not fungi.

The same conclusion is suggested for *Phacidium myrtophylli* described by Engelhardt (1892 A, p. 80, pl. ii, figs. 10 a, b).

Further "genera" which are probably due to GALLS are :—

Puccinites cretaceus, Velenovsky, 1889, p. 26, pl. iii, fig. 14, which is also the same as *Uredinites cretaceus*, Velenovsky, 1889, p. 29, fig. 1, a-b.

Phacidites communis (Feistmantel), Meschinelli, 1902, p. 54.

= *Phacidium commune*, Feistmantel, 1874, p. 266.

Sclerotites sp. (Knowlton), Meschinelli, 1902, p. 99. = *Sclerotium* sp., Knowlton, 1892, p. 23, pl. lix, fig. 4.

OTHER PHENOMENA DESCRIBED AS DISCOMYCETES:—

Genus **HYSTERITES**, Meschinelli.

[In Saccardo, Sylloge Fungorum, x, p. 774.]

Hysterites protogæus (Heer), Meschinelli.1882. *Hysterium protogæum*, Heer, Flora foss. Grönlands, p. 20, pl. xxiv, figs. 9, 9 a.1892. *Hysterites protogæus*, Meschinelli, Syll. Fung. foss., p. 774.1902. *Hysterites protogæus*, Meschinelli, Fungor. foss. omnium Iconog., p. 24, pl. xv, figs. 6, 6 a.

HORIZON.—Upper Cretaceous (Atane Beds).

LOCALITY.—Greenland.

TYPE.—Heer's specimen in University Geological Museum, Copenhagen.

The twig on which the so-called fungus was detected by Heer (1882) appears to be that of a dicotyledon, which though it is not described by Heer is very common in the Greenland beds. The one specimen with the "fungus" which Heer mentions, he supposes to be a gymnosperm; but even superficially it appears much more like a dicotyledonous twig. In Stockholm, in Prof. Nathorst's rich collections of Arctic plant-fossils there are a number of similar stems which all show the small markings Heer took to be a fungus, but which bear the strongest likeness to lenticels.

Hysterites protogæus, in short, seems to be nothing but normal lenticels on woody twigs.

Order HYPHOMYCETES.

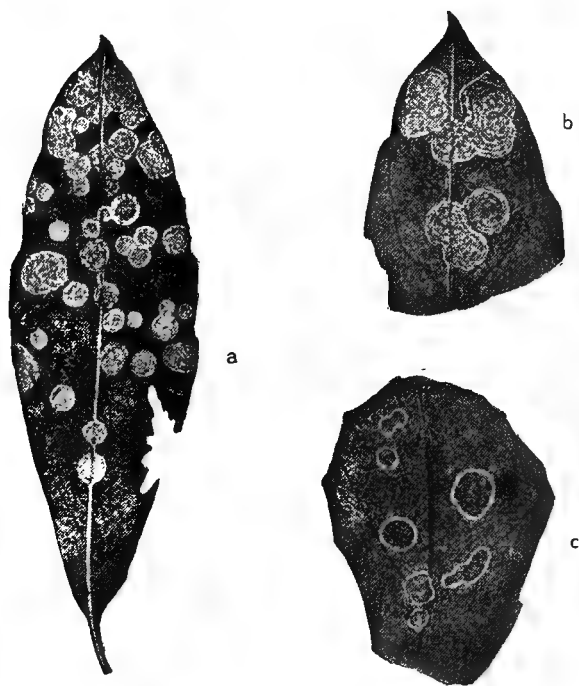
Genus **CERCOSPORITES**, nom. nov.

Presumably with the characters of the living genus *Cercospora*, but incompletely known.

Cercosporites coriococcus (Bayer), nom. nov.1899. *Cercospora coriococcum*, Bayer, Sitzungsber. k. böhm. Ges. Wiss. Prag. p. 4, text-figs. 1, 1 a, 2.

1901. *Cercospora corioccum*, Bayer, in Fritsch & Bayer, Studien böhm. Kreidepfl., p. 66, text-fig. 2.

The fungus forms roundish, sharply delineated patches, generally distinct from each other but sometimes merging.



Text-fig. 24.—*Cercosporites corioccus* (Bayer). *a.* Leaflet of *Dewalquea coriacea* covered with the fungus, natural size. *b.* A small portion enlarged twice to show the surface character of the fungal patches. *c.* Portion of leaf of *Hedera primordialis* showing the same fungus. After Bayer.

These are 2-5 mm. in diameter, with a surface marked by series of concentric striations; in some cases the centre is slightly depressed. These patches lie both on the leaf-lamina and over the central nerve.

HOST.—Leaves of *Dewalquea coriacea*, *Aralia daphnophyllum*, *Hedera primordialis*, and many others.

HORIZON.—Upper Cretaceous (Perucer Beds).

LOCALITY.—Vyserovic and Kounic, Bohemia. Very plentiful.

These markings on the dicotyledonous leaves of the Bohemian Perucer Beds are undoubtedly very characteristic and easy to recognise. I have seen them in other collections of Bohemian plants, and think it very probable that they do truly represent fungal remains, though the nature of the impressions does not allow of microscopic examination or of exact determination.

Order BASIDIOMYCETES?

Genus **TRAMETITES**, Meschinelli.

[In Saccardo, *Sylloge Fungorum*, x, p. 747.]

Presumably with the characters of the living genus *Trametes* but incompletely known.

Trametites Pini (Conwentz), Meschinelli.

1892. *Trametes Pini*, Conwentz, *Unters. foss. Hölz. Schwed.*, pp. 13, 21, pl. vii, fig. 1.

1892. *Trametites Pini*, Meschinelli, *Syll. Fung. foss.*, p. 747.

1902. *Trametites Pini*, Meschinelli, *Fungor. foss. omnium Iconog.*, p. 6, pl. iv, fig. 5.

Meschinelli defines the species as follows:—Cl. doct. Conwentz innumeras mycelii reliquias, lignum illud dum viveret a parassitis vexatum ostendentes, in speciminibus suecicis invenit. Hyphæ tenues, jalinæ, cinereæ, brunneæ et quandoque atro-cinereæ ad nigritudinem, ligni in directionem verticalem discurrunt.”

In describing some Gymnospermic petrified woods from Sweden, Conwentz (1892) mentioned the frequent occurrence in them of fungal hyphæ. He gives a figure and short description of them and associates the name *Trametes Pini* with the fungus, though he does not absolutely identify it as such.

HOST.—Wood of *Pinus Nathorsti*.

HORIZON.—Senonian.

LOCALITY.—Sweden.

TYPE.—Conwentz' slide in Palæobotanical Museum, Stockholm.

Meschinelli's figure is a reproduction of that of Conwentz, which shows the fungus in a low degree of magnification. The species may be taken to include the numerous hyphæ that are noticed in petrified woods of Cretaceous pines, though it is probably not a true biological species.

Genus **TRICHOSPORITES**, Felix.

[Zeitschr. deutsch. geol. Ges., vol. 46, 1894, p. 273.]

Presumably with the characters of the living genus *Trichosporium*, but incompletely known.

Trichosporites Conwentzi, Felix.

1892. "Cf. *Trichosporium fuscum*," Conwentz, Unters. foss. Hölz. Schwedens, p. 27, pl. vii, fig. 9.

1894. *Trichosporites Conwentzi*, Felix, Zeitschr. deutsch. geol. Ges., vol. 46, p. 273.

Branched, septate hyphæ, conidia egg-shaped or oval, circular when seen from one end. Composed of one cell, apparently undivided, and of dark, red-brown colour.

HOST.—Wood of *Cedroxylon Ryedalense*.

HORIZON.—Senonian.

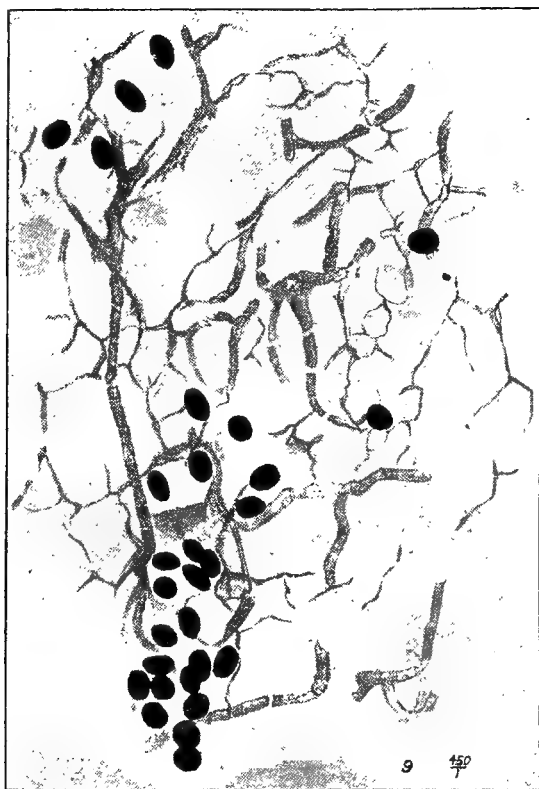
LOCALITY.—Ryedal, Sweden.

TYPE.—Palæobotanical Museum, Stockholm.

The specific name and some description of this fungus appear in Felix's paper on Fossil Fungi (Felix, 1894), but it was figured by Conwentz in his paper on the petrified woods of Sweden (Conwentz, 1892), who described the effects of the fungus on the wood, *Cedroxylon Ryedalense*, and noted that the hyphæ are thick-walled, branched, and septate.

Conwentz' illustrations of the hyphæ and conidia are reproduced in the text-figure 25 (p. 280).

While the name appears to be unfortunate in being too suggestive of affinities with a living genus where such affinity cannot be established from the data at present available, it seems better to leave it than to multiply poorly established specific names.



Text-fig. 25.—*Trichosporites Conwentzi*, Felix; hyphæ and conidia.
After Conwentz.

PHENOMENA DESCRIBED AS FUNGI, OF WHICH THE
NATURE IS VERY DOUBTFUL:—

Xylomites ellipticus, Ettingshausen, 1867 A, p. 243, pl. i, fig. 7.
“Peritheciis ellipticis planis, disco centrali vix distinguendo.”

This “fungus” takes the form of small oval markings on the impression of the leaf of *Ficus Geinitzii*. Ettingshausen considered that there could scarcely be any doubt that the appearance is due to a fungus.

Phacidium Palæocassiæ, Ettingshausen, 1867 A, p. 242, pl. i, figs. 8, 8 b. "Peritheciis irregularibus polygonis depressis, disco subrotundato, pallido."

This is also a mere marking on a leaf-impression which may or may not be due to a fungus, but about which there is no clear evidence in the specimens themselves.

Sphærites myricæ (Lesquereux), Meschinelli, 1892, and 1902, p. 29 (= *Sphæria myricæ*, Lesquereux); and also *Sphærites Lesquereuxi*, Meschinelli, 1892, & 1902, p. 38 (= *Sphæria rhytismoides*, Lesquereux), are two other markings on leaves for which there is little evidence to support their claims to being fungi.

Stichus mermisoides, Etheridge, 1904, pp. 255-257, pls. xxx-xxxi. Described as an endophytic fungus in the shells of a Cretaceous bivalve. The plates, however, are far from convincing.

SO-CALLED "FUNGI" WHICH ARE PROBABLY INORGANIC
PSEUDOMORPHS :—

Sclerotites sp., Geinitz, 1842, pp. 99 & xxii, pl. xxiv, figs. 1-3.

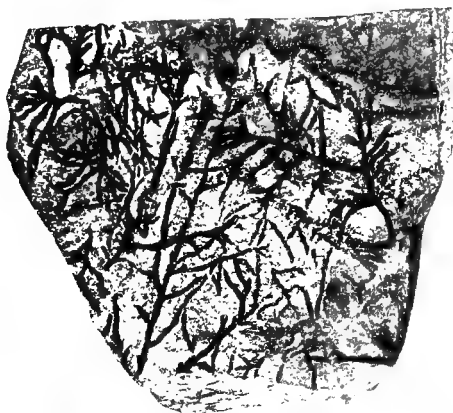
Xylomites aggregatus, Heer, 1882, p. 21, pl. xxix, fig. 11.

Rosellinites lepideus (Lesquereux), Knowlton, 1898, p. 204. = *Sphæria lapidea*, Lesquereux, 1873, p. 373, & 1878 B, p. 34, pl. i, fig. 3.

PLATE I.

Fig. 1. A slab of rock from the Cretaceous Flysch, with *a. Algites furcatus* (p. 255), and *b. Chondrites intricatus* (p. 252).
Nat. size.

Fig. 2. *Chondrites patulus*. Nat. size. (p. 253)



2.



1.

J. Green Photo imp.

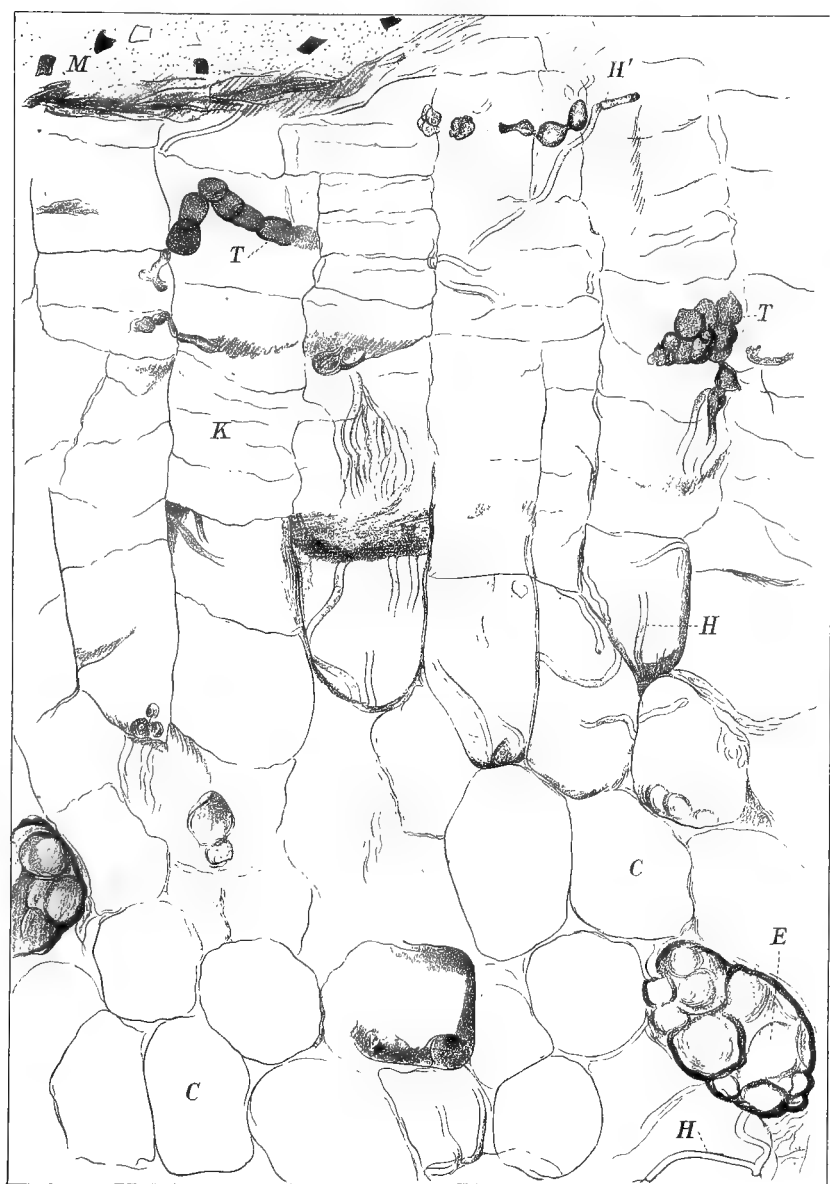
1a. ALGITES FURCATUS. 1b. CHONDRITES INTRICATUS.
2. CHONDRITES PATULUS.

PLATE II.

Part of the outer cortex and periderm of the Angiospermic stem *Saururopsis* which is infested by the fungus *Petro-sphæria japonica*, Stopes & Fujii. V. 11969.

- M. The outer limit of the stem, slightly crushed and destroyed adjacent to the granular mineral matrix of the section.
- K. Cells of periderm layers in which hyphæ and other cells of the fungus are principally developed.
- C. Inner cells of cortex in which are hyphæ of fungus, but no other fungal cells which appear to have been vital at the time of petrification.
- H. Fungal hyphæ, at H' a part showing the septate condition.
- T. Groups of thickened cells of the fungus.
- E. Cells in the cortex containing blackened "frothy" substance which may be due to the fungal cells, or may be due to some natural secretion of the plant.

Magnification $\times 300$. (p. 270)



M. C. Stopes del.

J. Green lith.

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